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INFORMATION
Report

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MEDICARE HOSPITAL INFORMATION

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Volume 16

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INDIANA

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U.S. Department of Health and Human Services

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FOREWORD

The mission of the Health Care Financing Administration (HCFA) is to promote the timely delivery of appropriate, quality health care to the nation's aged, disabled, and poor. The agency must also ensure that beneficiaries are aware of the services for which they are eligible, that those services are accessible, and that agency policies and actions promote efficiency and quality within the total health care delivery system.

To that end, the annual release of the Medicare Hospital Information report is a key element in our continuing efforts to improve the effectiveness of medical practice and the quality of care provided to Medicare beneficiaries. It is also an important step in helping beneficiaries make more informed health care decisions.

The information in this release is not intended as a direct measure of quality of care. It is best used as a "screening tool"—that is, to identify potential problems for further review and, in consultation with medical staff, to evaluate a hospital's strengths and weaknesses. Thus, we believe that consumers can use this information to ask questions of their physicians, rather than reach judgments about the quality of care in a particular hospital. We also expect this information to be used by hospital administrators, physicians, peer review organizations, State survey and certification agencies, and researchers.

This publication presents information to answer the question "What is the actual mortality rate within a certain period of time for each hospital compared to the rate that would have been predicted, given what we know about the characteristics of the patients admitted?" Our basic approach to analyzing hospital mortality information has remained unchanged for the past five years; however, since the last publication of mortality information in May 1991, we have made some significant changes both in our methodology and in the way we display the results of our analysis. The four principal changes in the 1992 report are:

- A graphic presentation of the predicted and observed mortality rates for most hospitals for "All Causes" for Federal fiscal years 1988-1990 at 30, 90, and 180 days;

- The addition of information on certain variables that we use in computing the predicted mortality rates for each hospital;

- The addition of information on the geographic origin of each hospital's patients; and

- A comparison of the average length of stay in each hospital with the average for the State and Nation.

These refinements should make this information an even more valuable educational tool to help improve the quality of care in hospitals. The changes were reviewed by a panel of outside experts. The methodology used to calculate the observed mortality rate, the predicted mortality rate, and the standard deviation are briefly described in the Technical Information section of the Introduction to this volume and in more detail in the Technical Supplement (Volume 55).

We acknowledge the assistance we have received from the American Hospital Association—not only for providing the information detailing selected hospital characteristics, but also for alerting its members to the importance of this information. We are also grateful to the personnel in each hospital who took the time to review the data thoroughly and to provide us with comments and suggestions. As before, we have published individual hospitals' comments in their respective State volumes. Over the years, these communications have helped to improve and refine the information included in this publication.

HCFA is committed to improving the Medicare Hospital Information report. To that end, we are continuing to work with representatives of hospital, consumer, employer and other organizations to make this annual report as useful as possible for all consumers.

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INTRODUCTION

The Medicare Hospital Information report contains information on acute care hospitals that treated Medicare patients discharged in Federal fiscal year (FY) 1990 (October 1, 1989—September 30, 1990).

This year's publication set consists of 54 State volumes and a Technical Supplement (Volume 55). There is one volume per State, except that California and Texas have two volumes each, Hawaii is combined with American Samoa and Guam, and Puerto Rico and the Virgin Islands are combined together in one volume.

Each hospital's two summary data pages are arranged alphabetically by hospital name in each State volume. These data pages consist of:

- The hospital's FY 1990 Medicare hospital mortality rates;
- A graphic presentation of the predicted and observed mortality rates for **most** hospitals for "All Causes" for FYs 1988—1990 at 30, 90, and 180 days;
- The FY 1990 values for selected explanatory factors used to predict the mortality rates;
- Origins and lengths of stays of Medicare admissions; and
- Hospital characteristics, such as the number of beds and other characteristics, which we obtained from data contained in the American Hospital Association's (AHA) 1990 Annual Survey of Hospitals files or, when such information was not available from the AHA file, the Health Care Financing Administration's (HCFA) Online Survey, Certification and Reporting System (OSCAR) file.

> ***Please note that the information regarding origins and lengths of stays and hospital characteristics are presented strictly for information purposes only. They were not used to calculate the hospital's predicted mortality rates.***

Toward the end of each volume, we include both State and national mortality rates developed by our analysis, as well as the comments we received from individual hospitals.

DESCRIPTION OF MORTALITY INFORMATION

The mortality rates at a given hospital may reflect, among other factors, the age, sex, diagnoses, and severity of illness of patients admitted to that hospital, as well as the quality of care they received. Factors affecting health and the probability of death vary among the patient populations served by individual hospitals. Consequently, the mortality rates in different patient populations vary considerably.

These latest analyses of the mortality rates associated with Medicare hospitalizations are similar to those carried out in the four prior years. Only one hospitalization for every patient was used. As in last year's analysis, when a patient had multiple hospitalizations during the fiscal year, one stay was selected at random to be analyzed. We believe that the use of the randomly selected admission provides a better representation of a typical hospital admission and permits us to calculate mortality rates more nearly like those the hospital itself would calculate for its patients.

Although we publish data only on deaths which occur within 180 days of admission to the hospital, for purposes of analysis our methodology actually considers deaths which occur any time within 365 days of admission (with the exception that no date of death later than April 1, 1991 is used). This is part of the formula which assesses the long-term risk of mortality. With this approach, information about the early and later results of the hospitalization is provided. This is important because diseases evolve with different time courses, and treatments may have different short- and long-term effects. The choice of at least 180 days allows substantial followup consistent with timely reporting of HCFA data.

We again analyzed the data on a fiscal year, rather than on a calendar year, basis because it allows us to report on recent hospitalizations. Also, new Medicare rules are often instituted on a fiscal year basis.

For each hospital, mortality rates are presented for overall Medicare patient mortality and for eight medical conditions and nine procedures. The information consists of the number of Medicare patients; the observed or actual mortality rate (OBS); the predicted mortality rate (PRED), given the mix of patients; and a standard deviation (SD), a measure of the uncertainty of the predicted rate.

The following information will be helpful when reviewing specific information for any given hospital.

Number Of Cases

This is the number of individual Medicare beneficiaries whose discharge in a fiscal year from the short-term, acute care hospital listed was selected for analysis. The total number of cases randomly selected for each hospital is presented under the category "All Causes." The eight medical condition and nine surgical procedure categories are subgroupings drawn from the "All Causes" selection. Although a particular patient may appear in only one of the eight medical condition categories, that same patient may also appear in one or more of the nine surgical procedure categories. Similarly, a patient may appear in one or more of the nine surgical procedure categories, even though he or she was not included in any of the eight medical condition categories.

The categories chosen for display represent HCFA's interpretation of the categories judged to be important by various outside advisors including the Institute of Medicine. The listed condition and procedure categories do not cover the reason for admission of all the hospitalized Medicare patients in this study. (The ICD-9-CM codes included in each condition and procedure category appear in Table 1 following this Introduction section.)

These conditions and procedures represent the causes for the hospital admission and/or surgical episodes during that stay; they do not necessarily represent the cause of death. HCFA does not have access to cause of death information.

Observed Mortality Rate (OBS)

The observed mortality rate for each category is the percentage of each acute care hospital's selected Medicare patients who died within 30, 90, or 180 days of the selected admission. This rate does **not** represent the percentage whose death was caused by a particular condition or procedure.

The percentage is rounded to the nearest one-tenth of one percent. Both inhospital deaths and deaths occurring after discharge but within 30, 90, or 180 days of admission are included. For example, if a hospital had 1,000 patients included in the "All Causes" category and 124 of these patients died within 30 days of the selected admission, the 30-day observed mortality rate would be 12.4 percent; if an additional 17 patients died more than 30 but less than 91 days after admission, the 90-day observed mortality rate would be 14.1 percent; and if an additional 13 patients died more than 90 but less than 181 days after admission, the 180-day observed mortality rate would be 15.4 percent.

It is important to note that the observed mortality rate is cumulative; e.g., the 90-day observed mortality rate includes all deaths which occur within 30 days of admission, as well as those occurring more than 30 and less than 91 days after admission.

Predicted Mortality Rate (PRED)

The predicted mortality rate for each hospital's patients is derived in part by determining, based on national experience, the contribution to the probability of dying associated with various patient characteristics such as:

- Principal diagnosis (grouped into 23 analytical risk categories),
- Age,
- Sex,
- Previous hospital admissions within the prior six months,
- Admission source (e.g., physician reference, skilled nursing facility reference),
- Admission type (e.g., elective or emergency), and
- The presence of up to seven comorbid conditions—cancer, chronic cardiovascular disease, chronic renal disease, chronic liver disease, chronic pulmonary disease, cerebrovascular degeneration, and chronic diabetes. A list of the ICD-9-CM codes defining the comorbid conditions is in Table 2 following this Introduction section.

Standard Deviation (SD)

The standard deviation is a tool to gauge the extent to which the difference between the observed and predicted mortality rate is meaningful. In general, the greater the difference between the two rates, the greater the probability that the difference represents an actual variation from what would be expected in view of the national experience. The less chance that the difference between the PRED and the OBS can be attributed to statistical variability, the more grounds for possible concern about the institution's performance.

Information on how to use the SD to construct prediction intervals for use in assessing the real difference between the OBS and the PRED is included in the Technical Information section of this Introduction. The precision and interpretability of the estimates are weaker when there are no deaths or 50 or fewer cases in a particular category being analyzed. Thus, for these instances, dashes ("---") are placed in the SD column.

OBSERVED MORTALITY RATE AND PREDICTED RANGE FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

Also in this year's report, we have presented graphs that display the information for most hospitals described above for FYs 1988 and 1989, as well as FY 1990. (In particular, these graphs could not be computed for hospitals that had 50 or fewer cases or no deaths in FYs 1988, 1989, or 1990). In constructing the graphs, we used 2 times the standard deviation to approximate a 95 percent prediction interval. The observed mortality is shown as a dot (•). The predicted mortality is shown at the middle of a range of mortality rates. The bottom of the range is the predicted mortality minus twice the standard deviation, and the top of the range represents the predicted mortality plus twice the standard deviation. The graphs for FY 1988 and FY 1989 are based on new random samples and new computations for this year's report. Thus, the calculations for some hospitals for FY 1988 and FY 1989 may be different from previous releases, because we are including more current data in this year's report.

FY 1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

This year's report includes the FY 1990 average at each hospital of many of the explanatory factors used to predict that hospital's mortality rates. This information provides a profile of the patients used in the analysis and should help to identify possible systematic coding errors in the claims data used to calculate the mortality rates. These percentages are derived from the patients included in the sample and should be applied to the total number of cases listed in "All Causes." It is important to note that neither the admission sources/types nor the comorbidities categories are mutually exclusive. For example, a patient could be both "referred by his personal physician" and "admitted for elective procedure." Similarly, a patient could have secondary diagnoses of both cancer and diabetes.

INFORMATION SOURCES AND NOTES

We believe that when the mortality rate information is properly understood and applied, it can be very useful; it can also be misleading if it is interpreted incorrectly. The information simply describes one of several possible outcomes at a hospital—postadmission mortality for Medicare beneficiaries.

Mortality information is not necessarily representative of a hospital's total performance in all aspects of patient care. Individual hospitals may have very good reasons for their rates being higher than the rates predicted by the HCFA model. For example, one hospital might have different death rates than another because its patient mix is not fully accounted for by the model.

Accordingly, we offered each hospital the opportunity to review their specific information and to provide comments to HCFA and the public, and we included those comments that were received timely at the end of this volume. Users should read the discussions about the uses and limitations of the mortality information found on page xiii, as well as any comments a hospital may have provided.

Hospitals In The Analysis

The hospitals included in this analysis are participating in Medicare as short-term, acute care facilities—all have a zero in the third position of their Medicare provider number. All other hospitals—those with something other than a zero in the third position of their provider number, such as rehabilitation facilities or psychiatric institutions—were excluded. This year, as in the past two years, we have also excluded hospices.

In some cases, we have included data for hospitals that closed, changed ownership, or changed management either during or subsequent to FY 1990. Our data included for those institutions reflects the situation as it existed at the time the hospitalizations analyzed occurred.

Data Sources

This report is based primarily on Medicare hospital billing information for Federal fiscal years 1988, 1989, and 1990. While the principal source of the data for the analysis was the HCFA-maintained Medicare Provider Analysis and Review (MEDPAR) file, which contains information about each Medicare hospitalization, some of the information about beneficiaries, such as date of death, was obtained from the Social Security Administration. Hospitals submit bills to HCFA's fiscal intermediaries (which handle claims for the inpatient care provided to Medicare beneficiaries) which, in turn, submit this information to HCFA. The file is updated on a quarterly basis. Our analysis was based on information available following the June 1991 update of the MEDPAR file. It is estimated that by that time (nine months after the close of the fiscal year), 98 percent of all Medicare discharges in FY 1990 are included in the file.

Possible Limitations Of The Data

In any large-scale data base, such as the one dealing with Medicare hospitalizations, there will be gaps or inaccuracies. For example, last year some hospitals had not accurately reported the source or type of admission, and thus erroneous information was included in the analysis for those hospitals. However, the fact that the files contain information on about 10 million hospital admissions to nearly 6,000 hospitals for each year provides some assurance that, for purposes of the statistical analysis conducted here, the information that might be missing or inaccurate is such a small portion of the total that it would have little effect on the results for national estimates. Nevertheless, it may substantially affect an individual hospital if it were the source of the inaccurate information.

While we feel that the information used in this analysis is thorough and complete, there are a few points to keep in mind as you review the mortality information.

The information used is billing data; it is only as good as the information submitted by hospitals as part of the payment process. Although there is always a possibility that coding errors are included, we assume that, given the link to payment, hospitals have an incentive to submit bills accurately and promptly. We do know, however, that some hospitals submitted incomplete or erroneous data.

For example, following last year's public release of the hospital mortality data, several hospitals wrote to HCFA indicating that they had submitted incorrect data. Furthermore, they stated that if they had given us the correct information, their predicted mortality rates would have been higher than those presented in HCFA's report. Therefore, in this year's report we have annotated those hospitals' data pages with a footnote stating: "This hospital says that it submitted inaccurate data to Medicare and claims that its predicted mortality rate should be higher than that presented above." At this point, however, HCFA cannot confirm the validity of those hospitals' claims. The analysis results might very well be different if the data on which they were based were submitted accurately by those hospitals.

In our previous analysis of mortality data, we discovered that some States had zero admissions from a skilled nursing facility. While some of these problems were corrected on the MEDPAR files used for this analysis, at the time this study was initiated we found empirical evidence that some of the files still contained suspect information. The suspect data were identified by noting those months (date of discharge) and fiscal intermediaries for which the type and source of admission fields appeared to be interchanged. Based on our findings, we reversed these fields to at least partially correct the remaining discrepancies. The following list shows the specific instances for which the fields were reversed for this analysis.

TYPE AND SOURCE OF ADMISSION FLIPPED

FI No.	FI Name	Dates
00030	Arizona Blue Cross	10/01/86 — 12/31/88
00080	Maryland Blue Cross/DC	06/01/87 — 09/30/87
00190	Maryland Blue Cross	06/22/87 — 12/31/88
00400	Texas Blue Cross	12/07/87 — 12/31/88

HOW TO USE THIS INFORMATION

There are several key points to remember about the use of this information. **First, it is important to understand that the difference between the hospitals' mortality rates and the predicted rates in the tables in this report may not be a direct measure of the quality of care rendered in the hospitals.**

Second, the usefulness of this information depends upon the accuracy with which mortality rates can be predicted. We do not currently have any direct measurement tool with which we can fully adjust for severity of patient illness differences among hospitals. For instance, two hospitals may have very different death rates for patients admitted for stroke, even after we have adjusted for age, sex, and several other factors. This might happen because one hospital's stroke patients may consist of a significant number who are admitted in a coma (and are thus more likely to die), whereas another hospital's patient population may represent a broader spectrum of patients with cerebrovascular problems, or because these two hospitals, in fact, do provide different levels of quality of care. In addition, other factors affecting the probability of death in a particular case (e.g., family status/support, overall health status of the patient, etc.) are not included in the predictive model because information on them is not readily available.

Nevertheless, we believe that the information presented in this publication is an important contribution to the health care community and should be helpful to a wide range of individuals and organizations including consumers, hospital administrators, physicians, PROs, and researchers.

Use By Consumers — Some Key Questions

Consumers should read carefully the explanations of the uses and limitations of the information. Listed below are some questions that we recommend a consumer think about before choosing a hospital. Please keep in mind that this is not a comprehensive list, but it should serve to illustrate the types of questions that are important to consider.

- Why are the hospital's observed mortality rates for "All Causes" consistently and significantly above the predicted rates for FY 1990?

- Why are the hospital's observed mortality rates for the condition for which I need treatment or the procedure I will undergo consistently and significantly above the predicted rates for FY 1990?

- How does this hospital's pattern of mortality compare with that of other hospitals in the State and Nation?

- Is the number of cases too small to present a satisfactory picture of the hospital?

- Does the hospital treat a large number of cases in the category for which I need treatment?

- Does the hospital treat a large number of patients who have several co-existing illnesses or who otherwise are likely to be "sicker" than average?

Other Users Of This Publication

Among other users of this publication, we expect that the hospital administrator (in consultation with medical staff) will find the information most useful as a screening tool to evaluate a hospital's strengths and weaknesses. We know that some hospitals and their medical staffs, using established and newly emerging quality assessment techniques, are seeking information that will result in improved health care delivery.

Outside Assistance In Developing This Publication

The development and presentation of the Medicare Hospital Information report continues to be an important part of HCFA's responsibilities in the health care community. To make the information as accurate and useful as possible, over the past several years we have discussed the theoretical framework and statistical approach with a number of nationally recognized technical experts in appropriate fields. Based on their recommendations, we believe that the models used in these analyses continue to be reasonable and appropriate.

In the past, we have conducted validation studies of our methodology. In general, these studies have found correlation between poor quality care and hospitals whose observed mortality rates significantly exceed the rates that would have been predicted. However, we have also found that detailed clinical data which more thoroughly characterize the severity of patient's illness, while they do not materially affect results describing the general pattern of mortality, do, in specific instances, alter our assessment of the comparison of the observed to the predicted mortality rates.

The format for presentation, the process for sharing the information with individual hospitals, and the statistical methodology have been discussed at various meetings with leaders of organizations representing Medicare beneficiaries, physicians, and hospitals. Also, we have spent many months reviewing the comments received from the hospitals regarding their patient-specific data for earlier years and our previous mortality information reports. Many suggestions from these sources have been incorporated into this report.

We have carefully investigated comments from individual hospitals on apparent discrepancies or errors generated in previous years. These discrepancies rarely had an effect on a hospital's overall mortality rate. Most of these instances fell into the following two broad categories.

- **Inaccurate Date of Death** — We found that inpatient billing coding errors (e.g., a hospital bill indicating that the patient's status at time of discharge was "expired" when the patient had, in fact, left the hospital alive) created many of these errors. We now have mechanisms in place that allow a continuous update of HCFA's master file, thereby enabling us to make corrections.

- **Discrepant Case Counts** — Our analysis counts only one acute care discharge in a fiscal year; normally, hospitals count each discharge. Thus, a patient admitted three times in a year would count three times for the hospital, but only once for the purpose of analyzing Medicare hospital mortality data presented in this report.

We believe it is important for consumers of health care to have access to as much information about hospitals as possible when making health care choices. Along with hospital characteristics information, we have added this year information about the origin and length of stay of Medicare admissions. This information is presented for comparative purposes only and was not used in calculating a hospital's predicted mortality rates. These data were not part of the analyses, and any errors or discrepancies in them do not affect the predicted mortality rates.

ORIGIN OF MEDICARE ADMISSIONS

Data on the geographic origin of each hospital's patients are presented in this year's report. We obtained from the Health Insurance Master file the State and county of residence for each Medicare beneficiary discharged from a Medicare-certified, acute care hospital during FY 1990. We then compared that information with the location of the hospital to determine the percentage of all discharges where the patient lived within the same city/county as the hospital location, within the State where the hospital is located, or outside the State. The percentages are derived by dividing the number of discharges of beneficiaries in a geographic category by the total number of Medicare discharges from the hospital. Please note that these are percentages of total Medicare discharges, not of the mortality sample alone.

MEDICARE AVERAGE LENGTH OF STAY

We obtained from the MEDPAR file the total days of care—both Medicare covered and noncovered—and divided that total by the number of discharges from each hospital. Total, rather than covered, days were used because, under the Prospective Payment System (PPS), if a Medicare patient has at least one day of hospital coverage available to him in the current spell of illness, the hospital will be paid the full diagnosis related group (DRG) amount plus any approved outlier amount, regardless of the number of days actually used.

Example: Hospital A had 2,513 Medicare discharges with a total of 24,379 days.

Calculation: $$\frac{24{,}379}{2{,}513} = 9.7 \text{ days}$$

The Medicare average length of stay is 9.7 days.

HOSPITAL CHARACTERISTICS

As noted previously, we have again included information on selected hospital characteristics such as the number of beds, occupancy rate, ownership, staffing, and specialty services. This information was obtained from the American Hospital Association's (AHA) 1990 Annual Survey of Hospitals, with the exception of the case mix index (CMI), which was derived from HCFA billing data. This file consists of information voluntarily reported by hospitals to the AHA. In instances where AHA data were unavailable, for example for hospitals that did not respond to the AHA survey, we derived the information from HCFA's Online Survey, Certification and Reporting system (OSCAR). The hospital characteristics and the specific special services listed were selected with the concurrence of the AHA as being those most meaningful to the Medicare population. Information on these specific data elements follows.

AHA Definitions (except for CMI)

Survey and Year — AHA 1990. Source is the American Hospital Association's 1990 Annual Survey of Hospital files.

Profile

Total beds (#) — Number of beds (including subacute beds), cribs, and pediatric and neonatal bassinets regularly maintained (set up, staffed, and ready for use) for inpatients as of the close of the reporting period; does not include bassinets for normal newborn infants.

Occupancy rate (percent) — Ratio of average daily census to the average number of beds (statistical beds) maintained during the 12-month reporting period. (NOTE: The number of these "statistical beds" may differ from the bed count at the close of the reporting period.)

Ownership/control — State government, local government, district/authority, church, private nonprofit, private for profit, or Federal Government.

Medicare discharges — The total number of inpatient discharges for Medicare patients for those hospitals selected for the mortality calculations, including all discharges for persons with more than one hospitalization during the year. (The mortality data include only one randomly selected discharge for each hospitalized enrollee. Therefore, this figure may reflect more discharges than the actual number of cases randomly selected for the mortality study.)

Case mix index (CMI) — A measure of the overall complexity of the Medicare cases treated by a given hospital compared to the complexity of the national average case mix. The CMI represents the relative costliness of each hospital's mix of cases compared to the national average mix of cases. A CMI of greater than one means that a hospital treats more complex cases than average. A CMI of less than one means that a hospital treats less complex cases than average. The CMI for each hospital is calculated on an annual basis. In this report, the CMI presented for each hospital is calculated based on its discharges in FY 1990.

A hospital's CMI is calculated by multiplying the number of cases in each DRG by the relative weight of that DRG, summing the products, and dividing the sum by the total number of cases for the year. For calculating the FY 1990 CMI, use the DRG relative weights published in the *Federal Register*, Volume 54, Number 169, pages 36468 ff., dated September 1, 1989.

Staffing (all AHA counts are as of 9/30/90)

Total number of physicians — Total active and associate medical staff.

Percent of physicians who are board-certified specialists — Physicians who have passed an examination given by a medical specialty board and have been certified by that board as a specialist.

Medical residents/interns — Full-time equivalent (FTE) medical residents or interns.

Registered nurses — Full-time equivalent (FTE) registered nurses.

Licensed practical nurses — Full-time equivalent (FTE) licensed practical nurses.

Specialty Services

Burn Unit — Provides more intensive care to severely burned patients than the usual acute nursing care provided in medical and surgical units. Beds must be set up and staffed in a unit specifically designated for this service.

Cardiac Intensive Care — Provides patient care of a more specialized nature than the usual medical and surgical care, on the basis of physicians' orders and approved nursing care plans. The unit is staffed with specially trained nursing personnel, and contains monitoring and specialized support or treatment equipment for patients who, because of heart seizure, open-heart surgery, or other life-threatening conditions, require intensified, comprehensive observation and care. May include myocardial infarction, pulmonary care, and heart transplant units. Beds must be set up and staffed in a unit(s) specifically designated for this service.

Comprehensive Geriatric — Provides diagnostic and evaluation services that determine elderly patients' long-term care needs. It includes the assessment of medical conditions, functional activities, and mental and emotional conditions, and incorporates these into a treatment plan which includes family and financial concerns as well as medical needs.

Hospice Care — A program providing primarily medical relief of pain and support services to terminally ill patients and assistance to their families in adjusting to the patients' illness and death.

Medical/Surgical Intensive Care — Provides nursing care to adult and/or pediatric patients of a more intensive nature than the usual medical, surgical, pediatric, and/or psychiatric care on the basis of physicians' orders and approved nursing care plans. Included are medical-surgical, pediatric, and psychiatric (isolation) units. These units are staffed with specially trained nursing personnel, and contain monitoring and specialized support equipment for patients who, because of shock, trauma, or life-threatening conditions, require intensified, comprehensive observation and care. These units may also include cardiac care when such services are not approved in a distinct cardiac care unit. This category is called "intensive care unit" in OSCAR.

Organ/Tissue Transplant — The hospital has the necessary staff and equipment to perform the surgical removal of a viable human organ or tissue from a donor, either living or deceased, and the surgical grafting of the organ/tissue to a suitably evaluated and prepared patient.

Other Intensive Care — Provides nursing care to adult and/or pediatric patients with a specialized disease or condition of a more intensive nature than the usual medical, surgical, pediatric, and/or psychiatric care on the basis of physicians' orders and approved nursing care plans. Examples reported include oncology or spinal cord injuries. These units are staffed with specially trained nursing personnel and contain monitoring and specialized support equipment appropriate for the patients' specialized conditions.

Trauma Center — Provides emergency and specialized intensive care to critically injured patients.

Other Specialty/Hospital-Based Services

Alcohol/Drug — Hospital services for the medical care and/or rehabilitative treatment of outpatients whose primary diagnosis is alcoholism or other chemical dependency.

Rehabilitation — A unit having designated beds and providing a comprehensive array of multidisciplinary medical rehabilitation services.

Psychiatric — Care provided to emotionally disturbed, chronically mentally ill, mentally disordered, or other mentally incompetent patients on the basis of physicians' orders and approved nursing care plans. Beds must be set up and staffed in units specifically designated for this service.

Medicare Swing Beds — The hospital is certified by Medicare to provide "swing bed" services; that is, some acute care beds can be used for skilled nursing facility type care in the hospital for Medicare purposes.

OSCAR Definitions (except for CMI)

Survey and Year — HCFA, most recent year. Data were derived from the Online Survey, Certification and Reporting System (OSCAR).

Profile

Total beds (#) — Total number of operational beds eligible for Medicare payment.

Ownership/control — Church; private, nonprofit; other nonprofit; proprietary; Federal Government; State government; local government; and hospital district or authority.

Case mix index (CMI) — See definition shown in AHA "Profile" section.

Staffing

Medical residents/interns — Full-time equivalent (FTE) medical residents or interns.

Registered nurses — Full-time equivalent (FTE) registered nurses.

Licensed practical nurses — Full-time equivalent (FTE) licensed practical nurses.

Specialty Services

NOTE: There are no specific definitions of specialty services in OSCAR. Characteristics are self-reported by each hospital at initial Medicare certification and recertification, and are generally understood to parallel the explicit AHA definitions (above). The AHA categories "comprehensive geriatric" and "other intensive care" are not available in OSCAR. However, they may be included in the OSCAR category of other specialty services (not shown in table).

Coronary Care — See definition shown in AHA "Specialty Services" section.

Intensive Care Unit — See definition shown in AHA "Specialty Services" section. These units may also include other intensive care units in OSCAR reporting.

Organ Transplant — See definition shown in AHA "Organ/Tissue Transplant" section. May include tissue transplants because there is not a separate field in OSCAR for these services.

TECHNICAL INFORMATION

DATA SOURCES

The data analyzed in this report are obtained from the Medicare Provider Analysis and Review (MEDPAR) file for the fiscal years 1987-1990, which contains information on the hospital stays of Medicare beneficiaries. The principal sources of data for this file are the bills (known as HCFA-1450 or UB-82) submitted by the hospitals to HCFA through fiscal intermediaries. The MEDPAR file also contains data about the beneficiaries, such as age, sex, and date of death, which are obtained from the Social Security Administration, the Railroad Retirement Board, or the Office of Personnel Management.

Hospital stays with discharges in fiscal years 1988, 1989, and 1990 were used in these analyses. Hospital stays in 1987 were used only to characterize the prior admissions of the patients in the 1987 cohort. Only acute care hospital stays in short-term (general and specialty) hospitals were selected. These hospitals have a "0" in the third position of their Medicare provider number. Hospital stays in institutions (designated by a "9" in the fourth position of the provider number) and hospital stays in psychiatric units, rehabilitation units, swing-beds and alcohol/drug units (with "special unit codes" of S, T, U and V, respectively, in the third position) were excluded.

THE MORTALITY MODEL

For each beneficiary in each year one hospitalization was selected at random. Choosing a specific hospitalization is necessary to avoid multiple counting of the same death for that year. Selecting a random hospitalization instead of the first or last in the year produces mortality rates that are more representative of the rates that a hospital might calculate for its patients. Also, the mortality rates based on this random selection process reflect an intermediate position between the rates produced by the alternatives.

The selected hospital stays were analyzed separately by analytical category. The analytical categories were created by grouping ICD-9-CM diagnosis codes that had similar mortality patterns. The procedures for creating the analytical categories and the groups of ICD-9-CM diagnosis codes that defined them are detailed in the Technical Supplement.

The mortality experience of the patients was evaluated as a function of time within 365 days of the admission. The factors included in the mortality model used to evaluate each patient's probabilities of death are given in Table 3. They consist of demographic characteristics (age and sex), major comorbidities (chronic diseases likely to have been present at admission and believed to complicate management and increase the likelihood of an adverse outcome), prior admissions (grouped into five risk or severity levels) within the 6 months preceding the admission evaluated, admission type (emergent, elective, etc.), and admission source (referral from the physician's office, the nursing facility, etc.). The specific reason for the admission (the principal diagnosis) and the performance of selected surgical procedures were additional factors used in the estimation of the predicted probability of death (see below).

The observed mortality rate for a hospital was calculated by means of the lifetable method ("The LIFETEST Procedure," Chapter 22, SAS User's Guide: Statistics, Version 5 Edition, pages 529-557).

ANALYTIC TECHNIQUES

A time-to-event or survival model with explanatory or concomitant variables was used to ascertain the influence of the patient characteristics listed above on the probability of death. A feature of such a model is allowance for "right censored" observations. Generally, these are events or outcomes which would have occurred but for some interference that prevents further observation. In the present analysis, "right censoring" occurs when a patient is withdrawn alive from the study April 1, 1991 or at the end of the followup period of 365 days.

The survival function, $S(t)$, is one of several equivalent ways of expressing the model. Another form uses the cumulative distribution function or the mortality function

$$F(t) = 1 - S(t).$$

Another useful formulation of these models is the hazard function, $h(t)$, also known as the force of mortality or risk function. The hazard is the rate of decrease in the number of survivors relative to the number of survivors at a specific time. Mathematically, the hazard function is

$$h(t) = -\frac{1}{S(t)}\frac{dS(t)}{dt} = -\frac{d\ln(S(t))}{dt}$$

The probability density function, $f(t)$, commonly used in statistical texts can be expressed as follows:

$$f(t) = \frac{dF(t)}{dt} = h(t)S(t).$$

The area under the survival curve is the expected value for t. In some cases, the area under the survival curve is restricted to an interval $0\text{-}t_1$ where t_1 might be one year, for example.

The specific time-to-event or survival model used in the present analysis is Bailey's modification of the Makeham model. The survival function for the Bailey-Makeham model is

$$S(t) = \exp\left\{-\delta t - \left(\frac{\alpha}{\gamma}\right)(1 - \exp(-\gamma t))\right\}$$

where

$$\alpha = \exp(\alpha_0 + \alpha_1 x_1 + \ldots + \alpha_i x_i + \ldots + \alpha_k x_k)$$
$$\gamma = \exp(\gamma_0 + \gamma_1 x_1 + \ldots + \gamma_i x_i + \ldots + \gamma_k x_k)$$
$$\delta = \exp(\delta_0 + \delta_1 x_1 + \ldots + \delta_i x_i + \ldots + \delta_k x_k)$$

are the expressions for each of the structural parameters α, γ, and δ in terms of the k concomitant variables x_i and their associated component parameters α_i, γ_i, and δ_i for i=1, 2,..., k and three intercepts or component parameters α_0, γ_0, and δ_0. The structural parameter δ is the long-term risk which is approached as $t \rightarrow \infty$. The structural parameter α is the initial excess risk which decays with rate constant γ.

For the survival function given above, the risk or hazard function has an especially tractable form of an exponential decay which approaches a long-term risk, δ. The hazard function corresponding to the survival function above is

$$h(t) = \alpha \exp(-\gamma t) + \delta \ .$$

The estimation of the component parameters was carried out in a series of steps in which those covariates which had estimable and statistically significant ($p<0.05$) influences of the probability of death were identified for inclusion in the model. As the model for each of the 23 risk categories was estimated separately, different lists of covariates were used for the final core models.

This first step was followed by the estimation of the additional contribution of specific principal diagnoses in each risk category. In these analyses, the effects of the patient characteristics included in the core models were corrected for. Only those principal diagnoses were retained which were estimable and had more than 900 cases (more than 300 for codes identified by year). Similarly, after adjustment for the effects of both the variables in the core model and the principal diagnoses, correction terms were calculated to estimate the additional information about the probability of death associated with the categorization of the patients into the clinical groups used for the presentation of the data in the mortality tables (see below). These correction terms were negligible for the medical categories but substantial for the surgical categories.

Once the component parameters or regression coefficients α_i, γ_i, and δ_i have been estimated, the predicted probability of patient death at any specified time after admission, 1-S(t), may be calculated for all individuals. To obtain the predicted mortality rate up to a given time for a hospital, it is then only necessary to average over the predicted probabilities of death of its patients to that time.

The analytical categories are useful for grouping the patients into relatively risk-homogeneous strata for the regressions. However, to gain insights into patterns of practice at hospitals, the data are presented for patients grouped into clinically meaningful medical and surgical categories. The 17 clinical categories used in the mortality tables and defined in Table 1 were identified by the Institute of Medicine as being of particular medical and epidemiologic interest.

ESTIMATION OF THE STANDARD DEVIATION FOR PREDICTED MORTALITY

The standard deviation of the predicted mortality rate is used to assess how statistically different the observed mortality rate is from the rate predicted by the national experience with like patients. The standard deviation depends, in fact, on the variance of the residual or the difference between the observed, P, and predicted, $\widehat{\Theta}$, mortality rates.

The residual has four components V_1, V_2, V_3, and V_4 where V_1 is the variance of the estimate of the predicted probability of death. This computationally intensive term was negligible for nearly all cases, compared to other components of variance. Consequently, this term was not included in the present analysis.

V_2 is the binomial variance for n patients

$$V_2 = \frac{\widehat{\Theta}\left(1 - \widehat{\Theta}\right)}{n} .$$

V_3 is the variation among hospitals not explained by the mortality regression models containing the patient characteristics described above.

$$V_3 = \widehat{\mathrm{Var}\left(\Theta\right)} = \left(1 - \frac{1}{n}\right) \widehat{\mathrm{M}_2\left(\Theta\right)}$$

where

$$\widehat{M_2(\Theta)} = \left\{ \begin{pmatrix} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics and} \\ \text{adjustment for hospital effects} \end{pmatrix} - \begin{pmatrix} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics,} \\ \text{but omitting the hospital specific effects} \end{pmatrix} \right\}^2 \left(\frac{1}{z_p^2} \right)$$

The quantity z_p corresponds to the statistical significance (p-value) of the hospital-specific effect.

V_4 is the variation not explained by the mortality regression models which each include, in addition, an indicator variable for the hospital:

$$V_4 = \left\{ \left(\text{Observed mortality} \right) - \begin{pmatrix} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics, and} \\ \text{adjustment for the hospital specific effects} \end{pmatrix} \right\}^2 .$$

(The regression coefficients of the indicator variable for the hospital are a measure of the influence on the probability of patient death of factors not otherwise specified in the model. These factors include severity of illness not adequately reported on by the patient characteristics deduced from the claims data and the hospital's pattern of practice; i.e., performance.)

The standard deviation given in the mortality tables is just

$$SD = \sqrt{V_2 + V_3 + V_4}.$$

STANDARDIZED MORTALITY RATIO (SMR)

Another method of evaluating a hospital's performance—the Standardized Mortality Ratio (SMR)—is obtained by dividing the observed mortality rate by the predicted mortality rate. An SMR of one means the observed and predicted mortality are equal. A ratio greater than one means the observed mortality exceeds the predicted. A ratio less than one means the observed mortality is less than expected. The more extreme the ratio (significantly greater than one indicating unusually high mortality and significantly less than one indicating unusually low mortality), the greater the attention which should be paid to the results of this mortality report.

For each of the conditions and procedures, selected percentiles for the observed distribution of the SMR are displayed in Table 4. The selected percentiles provide benchmarks for comparison. For example, for a hospital with 300 cases in the "All Causes" category, with observed mortality of 12.2 percent and predicted probability of 10.0 percent at 30 days, the standardized mortality ratio is

SMR = 12.2/10.0 = 1.22.

Note that an SMR of one means the observed and predicted mortality are equal, while a ratio greater than one means the observed mortality exceeds the predicted, and a ratio less than one means the observed mortality is less than expected. There will be greater interest in the more extreme ratios, either greater than one — excessively high mortality — or less than one — extremely low mortality.

From Table 4 for FY 1990, we find that the ratio is just below the 75th percentile of 1.23. Hence, slightly under 75 percent of the hospitals have an SMR less than that found at this hospital.

However, for a hospital with 900 cases in the "All Causes" category, with observed mortality of 19.3 percent and predicted probability of 10.0 percent at 30 days, the standardized mortality ratio is

SMR = 19.3/10.0 = 1.93.

Since the SMR of 1.93 is greater than the 97.5 percentile of 1.35 (Table 4 for 750 or more cases), there is cause for concern. To further assess this, we examine the displayed data in terms of the measure of uncertainty, the standard deviation.

MEASURES OF UNCERTAINTY

In principle, to use the standard normal approximations to determine prediction intervals, an adjustment must be applied for the skewness and kurtosis inherent in a mortality rate when the rate is considerably less than 50 percent and the number of cases is small. Table 5 presents the multiplicative factors, based on the binomial distribution, for the standard deviation needed to construct prediction intervals for the mortality rates at confidence levels of 75, 95 and 99 percent. Because of the approximations involved in the estimation of the skewness and kurtosis corrections, their precision decreases as the number of cases and the mortality rate decrease; i.e., as the value of the correction increases. In addition, because of simplifications and approximations in the estimation of the standard deviation, the precision of the multiplicative factors given in Table 5 exceeds the precision of the estimate of the standard deviation. Hence, the following rule-of-thumb represents an adequate approximation to the factors in Table 5 and an adequate guide to the **statistical meaningfulness** of the difference between the observed and the predicted mortality rates.

To illustrate the use of Table 5, consider a hospital with 75 cases and a predicted mortality of 13.0 percent with a standard deviation of 5.0 percent. Overall, for hospitals with patients with characteristics similar to those of this hospital, we would expect the actual or observed mortality rate to lie, 95 percent of the time, either between 13.0 percent and 22.9 percent if the actual is larger than the predicted, or between 3.3 percent and 13.0 percent if the actual is less than the predicted. That is because 22.9 percent = 13.0 percent + 1.98 x 5.0 percent, the factor 1.98 having been read from the section of Table 5 with the heading "95 Percent Prediction Interval" and "Factor for Upper Bound," the row "75" for the number of cases, and, by interpolation, between the "10 percent" and the "20 percent" predicted mortality rate columns. Similarly, 3.3 percent = 13.0 percent - 1.94 x 5.0 percent, the factor -1.94 having been read from the section of Table 5 with the heading "95 Percent Prediction Interval" and "Factor for Lower Bound" and the corresponding row and columns.

Therefore, in comparing the actual and predicted rates, more attention should be given to the hospital whose observed mortality rate lies beyond the bounds calculated for the 99 percent prediction interval than to the hospital whose observed mortality rate lies only beyond the bounds calculated for the 95 percent prediction interval. Likewise, more attention should be given to that hospital than to the hospital whose observed mortality rate lies only beyond the bounds calculated for the 75 percent prediction interval.

For the graphs, the observed mortality and an approximate 95 percent prediction interval are displayed. The prediction interval has bounds at the predicted mortality plus 2 times the standard deviation and at the predicted minus 2 times the standard deviation.

In the mortality rate tables, the observed and predicted mortality rates and the standard deviation as a measure for statistical importance of the difference are displayed for the overall and each of the conditions and procedures.

HOW TO OBTAIN MEDICARE HOSPITAL INFORMATION

The publication has been widely distributed to State health organizations and hospital and medical associations. The publication is available to the public for purchase in 55 volumes, with each volume being sold separately through the Government Printing Office (GPO). More detailed information about the purchase of this publication may be obtained by contacting:

Superintendent of Documents
Government Printing Office
Washington, D.C. 20402

Telephone: (202) 783-3238

As in prior years, the information appearing in the Medicare Hospital Information report is available in machine-readable/electronic format (tape and diskette). The Medicare Hospital Information public use file provides the published information as contained in the 55-volume hardcopy publication, except that the AHA's hospital characteristics are not on this file. Hospital characteristics from HCFA files (OSCAR) are provided instead. The files contain additional information which is useful for supplemental analyses: averages by hospital, MSA, and State for each of the variables used in the model, mortality rates for 15, 30, 60, 90 and 180 days, and cross-reference files which relate State, MSA, and ICD-9-CM codes used to a name. These data should allow analysts to assess an individual hospital's performance in comparison to all hospitals in the State or applicable MSA.

Also available to **hospitals** in machine-readable format is their patient-specific data that were used in the report. These data include the patient variables used in the analysis (e.g., the number and severity level of prior hospitalizations considered by the methodology, admission source and type, etc.) and the predicted probability of death at each time interval for each individual included in the study. With these data it is possible for hospitals to better understand their statistics. **Due to confidentiality considerations, requests for patient-specific data must be forwarded on hospital letterhead, must include the institution's Medicare provider number, and must be signed by the hospital administrator.**

For information about obtaining Medicare Hospital Information electronic media data, please contact HCFA's Bureau of Data Management and Strategy at:

Health Care Financing Administration
Bureau of Data Management and Strategy
Office of Statistics and Data Management
3-A-10 Security Office Park Building
6325 Security Boulevard
Baltimore, Maryland 21207

Telephone: (410) 597-5151

Table 1

DIAGNOSTIC AND PROCEDURE CATEGORIES

The following lists the ICD-9-CM diagnostic and procedure codes used to classify and group patients for presentation

CONDITION/PROCEDURE	ICD-9-CM CODES *(D)=Diagnosis code* *(P)=Procedure code*
Heart Disorders/Procedures	
Acute Myocardial Infarction (AMI)	All of 410 (D) (on 10/1/89 exclude 410 with 5th digit of a 2)

Note: *For code 410 a 5th digit was added on October 1, 1989.*

CONDITION/PROCEDURE	ICD-9-CM CODES
Congestive Heart Failure (CHF)	398.91, 402.01, 402.11, 402.91, 428.0, 428.1, 428.9 (all D)
Angioplasty (ANGPLSTY)	All of 36.0 (P) excluding 36.00, 36.03, 36.04, 36.09 (all P)

Note: *Code 36.0 had a 4th digit added on October 1, 1986. Code 36.0 got digits of 0, 1, 2, 3, and 9, and code 36.04 got some previously coded cases of 39.97. On October 1, 1987, code 36.01 was divided into 36.01 and 36.05, and some cases from 36.02 were put into 36.05.*

CONDITION/PROCEDURE	ICD-9-CM CODES
Coronary Artery Bypass Graft (CABG)	All of 36.1(P) and not Angioplasty (see above)
Pacemaker Insertion, Initial (PACE)	37.73, 37.74, 37.75, 37.77 (after 10/1/87 use 37.70 through 37.73) (all P)

Note: *Code 37.70 was restructured on October 1, 1987. Previously the code contained both leads and devices. On October 1 these were separated and devices were coded as 37.80 through 37.83, and codes for the leads were changed into various 37.70 codes.*

CONDITION/PROCEDURE	ICD-9-CM CODES *(D)=Diagnosis code* *(P)=Procedure code*

Pulmonary Disorders

Pneumonia/Influenza (PNU)	All of 480, all of 481, 482.2, 482.3, 482.9, 483, 485, 486, 487.0 (all D)
Chronic Obstructive Pulmonary (COPD)	All of 491, all of 492, all of 494, Disease all of 496; and 466.0, 518.82, 518.5, and 786.09 when there is a secondary diagnosis of any 496 (all D)

Note: *Code 518.8 got a 5th digit on October l, 1987. Some cases from 799.1 were put into codes 518.81 and 518.82.*

Cerebrovascular Disorders/Procedures

Transient Cerebral Ischemia (TCI)	433.1, 433.3, 435 (D) and exclude those patients with an endarterectomy at the time of admission—38.12(P)
Stroke (STK)	431, 434 through 434.9, 436 (all D)
Carotid Endarterectomy (ENDART)	38.12 (P) with 433.1 (D); 433.3 (D) or 435(D) as a principal diagnosis

Musculoskeletal Disorders/Procedures

Fracture of Neck of Femur (FXHIP)	All of 820 (D)
Hip Replacement/Revision (HIPREP)	81.5, 81.6 (exclude 81.69) (all P). On 10/1/89 code 81.51 (P) through 81.53 (P) with same diagnoses.
Open Reduction of Fractured Femur (OPRDUX)	79.35(P) on condition of 820 (D) as principal diagnosis

CONDITION/PROCEDURE	ICD-9-CM CODES *(D)=Diagnosis code* *(P)=Procedure code*
Genitourinary Disorders/Procedures	
Prostatectomy (PROS)	60.2, 60.3 through 60.69 (all P)
Hysterectomy (HYS)	68.3 through 68.7 (P)
Gastrointestinal Disorders/Procedures	
Cholecystectomy (CHOLOTMY)	51.22 (P)
Sepsis	
Sepsis	003.1, 020.2, 022.3, 036.2, 036.3, 036.89, 036.9, 038.0, 038.1, 038.2, 038.3, 038.40, 038.41, 038.42, 038.43, 038.44, 038.49, 038.8, 038.9, 054.5

Table 2

COMORBIDITY CONDITIONS

(all are D codes)

COMORBIDITY	ICD-9-CM CODES
Cancer	141-160.9, 162-172.9, 174-208.91
Chronic cardiovascular disease	412-414.9, 426-429.1
Chronic liver disease	571-572.8
Chronic renal disease	582-583.9, 585-587, 403.01, 403.11, 403.91, 404.02, 404.03, 404.12, 404.13, 404.92, 404.93
Chronic diabetes	250.01, 250.1-250.91
Chronic pulmonary disease	491-493.91, 496
Cerebrovascular degeneration	290-290.9, 294-299.9

Table 3

EXPLANATORY VARIABLES FOR THE MORTALITY MODEL

Generally the same variables are used for all diagnostic categories.

Demographics

SXFM An indicator variable: = 1 if Female, 0 otherwise

AGEFM = AGESP if SXFM = 1, 0 otherwise
AGEML = AGESP if SXFM = 0, 0 otherwise

where

$$\text{AGESP} = \text{sign}\,(\text{W-65})\left(\left|\frac{\text{W-65}}{65}\right|\right)^{1.44}$$

and

$$\text{W} = \left\{ \begin{array}{c} 23 \text{ if AGE} \leq 23 \\ \text{AGE if } 23 < \text{AGE} < 100 \\ 100 \text{ if } 100 \leq \text{AGE} \end{array} \right\}$$

Comorbidities **ICD-9-CM Codes**

(Indicator variables = 1 if comorbidity present on current or prior admission with discharge within 6 months prior to current admission, 0 otherwise)

CCA	Cancer	141-160.9, 162-172.9, 174-208.91
CCV	Chronic cardiovascular disease	412-414.9, 426-429.1
CLV	Chronic liver disease	571-572.8
CRN	Chronic renal disease	582-583.9, 585-587, 403.01, 403.11, 403.91, 404.02, 404.03, 404.12, 404.13, 404.92, 404.93
CDI	Chronic diabetes	250.01, 250.1-250.91
COP	Chronic pulmonary disease	491-493.91, 496
CCE	Cerebrovascular degeneration	290-290.9, 294-299.9

Co Occurrence of Comorbidities

COP_CCV	1 if COP = 1 and CCV = 1, 0 otherwise
CCA_CCV	1 if CCA = 1 and CCV = 1, 0 otherwise
COP_CCA	1 if COP = 1 and CCA = 1, 0 otherwise
CCE_CCV	1 if CCE = 1 and CCV = 1, 0 otherwise
CRN_CCV	1 if CRN = 1 and CCV = 1, 0 otherwise

Admission Sources and Types

(Indicator variables = 1 if source or type present, 0 otherwise)

PREF	Patient referred by personal or HMO physician
TRSNF	Patient transferred from skilled nursing facility
ELCT	Patient admitted for elective procedure
EMRG	Patient admitted for emergency

Co-Occurrence of Admission Source and Type

PREF_ELEC = 1 if PREF = 1 and ELCT = 1, 0 otherwise

Previous Hospitalizations

P_RISK1	Number at 1st risk level with 3 or more set to 3
P_RISK2	Number at 2nd risk level with 3 or more set to 3
P_RISK3	Number at 3rd risk level with 3 or more set to 3
P_RISK4	Number at 4th risk level with 4 or more set to 4
P_RISK5	Number at 5th risk level with 3 or more set to 3
F(T)	Probability of death from previous admission if discharge within 182 days of current admission, 0 otherwise

Time Trend

FLAG89	1 if discharge in FY1989, 0 otherwise
FLAG90	1 if discharge in FY1990, 0 otherwise
INYEAR	Difference between current admission date and April 1 of fiscal year of discharge

TABLE 4
SMR DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1990 STUDY, FY1990

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS					90 DAYS					180 DAYS				
		2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%
OVERALL(< 750 CASES)	2645	0.45	0.88	1.04	1.23	1.72	0.56	0.90	1.03	1.17	1.54	0.61	0.90	1.02	1.15	1.46
OVERALL(>= 750 CASES)	2684	0.73	0.91	0.99	1.09	1.35	0.79	0.94	1.01	1.09	1.28	0.82	0.94	1.01	1.08	1.24
CONDITIONS																
AMI	1405	0.54	0.80	0.95	1.11	1.42	0.62	0.86	0.99	1.14	1.44	0.63	0.86	0.99	1.13	1.39
CHF	2335	0.43	0.79	0.98	1.17	1.64	0.60	0.85	0.99	1.13	1.49	0.66	0.89	1.00	1.13	1.41
PNEUMONIA/INFLUENZA	2428	0.41	0.78	0.97	1.18	1.68	0.53	0.84	1.00	1.17	1.55	0.57	0.86	1.01	1.16	1.50
COPD	435	0.00	0.63	0.97	1.34	2.06	0.30	0.78	1.02	1.26	1.74	0.40	0.82	1.01	1.24	1.69
TRANS. CEREBRAL ISCHEMIA	404	0.00	0.00	0.83	1.34	3.20	0.00	0.48	0.85	1.31	2.27	0.21	0.60	0.90	1.21	2.05
STROKE	1789	0.53	0.79	0.95	1.13	1.56	0.61	0.84	0.98	1.13	1.47	0.65	0.87	0.99	1.12	1.42
HIP FRACTURE	1199	0.21	0.67	0.93	1.27	2.10	0.40	0.76	0.94	1.19	1.80	0.47	0.78	0.97	1.16	1.64
SEPSIS	254	0.51	0.79	0.96	1.12	1.50	0.65	0.86	0.99	1.13	1.47	0.69	0.89	1.01	1.15	1.44
PROCEDURES																
ANGIOPLASTY	425	0.00	0.49	0.89	1.33	2.66	0.00	0.60	0.93	1.36	2.34	0.00	0.63	0.97	1.34	2.14
CABG	556	0.20	0.68	1.03	1.39	2.45	0.28	0.73	1.00	1.32	2.09	0.28	0.73	1.01	1.30	2.10
PACEMAKER	112	0.00	0.41	0.72	1.37	3.25	0.20	0.61	0.90	1.21	2.17	0.21	0.65	0.84	1.16	1.87
CAROTID ENDARTERECTOMY	73	0.00	0.00	0.85	1.33	2.90	0.00	0.14	0.74	1.28	2.43	0.00	0.42	0.86	1.38	2.86
HIP REPLACEMENT	763	0.00	0.53	0.94	1.44	2.77	0.19	0.67	0.96	1.31	2.12	0.26	0.71	0.94	1.26	1.91
REDUCT. OF HIP FRACTURE	276	0.00	0.56	0.86	1.22	2.05	0.31	0.68	0.92	1.19	1.76	0.38	0.77	0.96	1.12	1.58
PROSTATECTOMY	1576	0.00	0.00	0.73	1.57	3.56	0.00	0.49	0.91	1.40	2.63	0.00	0.57	0.92	1.29	2.21
CHOLECYSTECTOMY	714	0.00	0.49	0.95	1.54	2.68	0.00	0.62	0.93	1.37	2.22	0.22	0.67	0.98	1.27	1.93
HYSTERECTOMY	113	0.00	0.00	0.00	2.00	6.69	0.00	0.00	0.76	1.70	3.59	0.00	0.24	0.75	1.27	2.91

TABLE 4
SMR DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1990 STUDY, FY1989

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS					90 DAYS					180 DAYS				
		2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%
OVERALL(< 750 CASES)	2746	0.50	0.87	1.04	1.23	1.73	0.58	0.89	1.03	1.17	1.54	0.61	0.89	1.01	1.14	1.44
OVERALL(>= 750 CASES)	2669	0.71	0.90	1.00	1.09	1.35	0.79	0.94	1.01	1.08	1.28	0.82	0.95	1.01	1.07	1.24
CONDITIONS																
AMI	1412	0.53	0.81	0.96	1.12	1.47	0.59	0.86	1.01	1.15	1.47	0.63	0.87	1.00	1.14	1.43
CHF	2293	0.47	0.80	0.97	1.18	1.69	0.58	0.86	1.00	1.14	1.48	0.66	0.89	1.02	1.14	1.40
PNEUMONIA/INFLUENZA	2179	0.45	0.77	0.97	1.19	1.67	0.54	0.85	1.01	1.18	1.55	0.60	0.86	1.02	1.18	1.51
COPD	324	0.21	0.68	0.99	1.32	2.13	0.44	0.78	1.04	1.27	1.91	0.49	0.84	1.04	1.24	1.66
TRANS. CEREBRAL ISCHEMIA	420	0.00	0.00	0.79	1.41	3.26	0.00	0.46	0.88	1.33	2.36	0.18	0.60	0.92	1.25	1.97
STROKE	1728	0.53	0.80	0.95	1.12	1.56	0.62	0.85	0.97	1.11	1.46	0.67	0.88	0.99	1.13	1.40
HIP FRACTURE	1126	0.24	0.67	0.95	1.30	2.04	0.39	0.75	0.98	1.21	1.71	0.46	0.78	0.97	1.18	1.59
SEPSIS	174	0.52	0.79	0.94	1.10	1.52	0.63	0.88	1.02	1.15	1.46	0.68	0.93	1.05	1.16	1.43
PROCEDURES																
ANGIOPLASTY	370	0.00	0.46	0.84	1.35	2.55	0.00	0.55	0.88	1.33	2.52	0.00	0.61	0.94	1.32	2.44
CABG	501	0.21	0.65	1.00	1.47	2.57	0.23	0.69	1.00	1.33	2.29	0.32	0.74	1.01	1.33	2.21
PACEMAKER	91	0.00	0.52	0.74	1.12	2.31	0.00	0.56	0.83	1.15	2.14	0.20	0.68	0.81	1.16	1.87
CAROTID ENDARTERECTOMY	55	0.00	0.00	0.82	1.51	5.01	0.00	0.47	0.86	1.31	4.00	0.00	0.43	0.85	1.28	3.12
HIP REPLACEMENT	686	0.00	0.52	0.92	1.44	2.46	0.00	0.65	0.94	1.27	1.95	0.21	0.67	0.94	1.19	1.75
REDUCT. OF HIP FRACTURE	246	0.19	0.57	0.91	1.23	1.96	0.31	0.71	0.96	1.19	1.74	0.41	0.78	0.96	1.13	1.53
PROSTATECTOMY	1570	0.00	0.00	0.67	1.50	3.46	0.00	0.47	0.86	1.36	2.67	0.00	0.58	0.93	1.28	2.15
CHOLECYSTECTOMY	680	0.00	0.53	0.94	1.53	2.90	0.00	0.62	0.97	1.36	2.15	0.22	0.66	0.95	1.26	1.98
HYSTERECTOMY	101	0.00	0.00	0.00	1.80	5.44	0.00	0.00	0.78	1.60	4.21	0.00	0.00	0.91	1.38	2.99

TABLE 4
SMR DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1990 STUDY, FY1988

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS					90 DAYS					180 DAYS				
		2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%
OVERALL(< 750 CASES)	2838	0.46	0.89	1.05	1.23	1.75	0.54	0.90	1.03	1.16	1.57	0.59	0.90	1.02	1.14	1.45
OVERALL(>= 750 CASES)	2693	0.73	0.90	1.00	1.10	1.35	0.79	0.94	1.01	1.09	1.27	0.82	0.95	1.01	1.08	1.24
CONDITIONS																
AMI	1414	0.56	0.82	0.96	1.12	1.41	0.63	0.87	1.01	1.14	1.42	0.65	0.89	1.00	1.13	1.39
CHF	2246	0.45	0.79	0.97	1.18	1.61	0.60	0.86	1.00	1.14	1.43	0.68	0.90	1.02	1.13	1.37
PNEUMONIA/INFLUENZA	2069	0.44	0.79	0.97	1.17	1.68	0.57	0.85	1.01	1.17	1.59	0.61	0.87	1.01	1.16	1.53
COPD	310	0.21	0.67	0.92	1.30	2.17	0.39	0.79	0.98	1.20	1.81	0.51	0.82	0.99	1.19	1.59
TRANS. CEREBRAL ISCHEMIA	495	0.00	0.00	0.84	1.48	2.94	0.00	0.48	0.92	1.39	2.28	0.21	0.60	0.92	1.27	1.92
STROKE	1726	0.51	0.79	0.95	1.12	1.56	0.60	0.84	0.98	1.13	1.44	0.64	0.88	1.00	1.13	1.42
HIP FRACTURE	1119	0.24	0.65	0.96	1.27	2.07	0.40	0.78	0.98	1.21	1.77	0.47	0.80	0.98	1.17	1.64
SEPSIS	133	0.58	0.77	0.92	1.08	1.64	0.56	0.86	1.00	1.13	1.54	0.67	0.88	1.02	1.14	1.53
PROCEDURES																
ANGIOPLASTY	297	0.00	0.50	0.87	1.35	2.60	0.00	0.59	0.91	1.34	2.50	0.00	0.65	0.95	1.31	2.25
CABG	478	0.21	0.68	0.98	1.39	2.40	0.32	0.73	1.00	1.36	2.12	0.38	0.75	1.01	1.31	2.04
PACEMAKER	83	0.00	0.34	0.65	1.04	1.75	0.01	0.54	0.85	1.03	1.70	0.23	0.69	0.87	1.10	1.57
CAROTID ENDARTERECTOMY	69	0.00	0.00	0.60	1.23	3.30	0.00	0.33	0.62	1.09	2.50	0.00	0.44	0.68	1.16	1.87
HIP REPLACEMENT	670	0.00	0.49	0.95	1.40	2.65	0.00	0.66	1.01	1.31	2.15	0.24	0.70	0.96	1.24	1.87
REDUCT. OF HIP FRACTURE	259	0.00	0.61	0.91	1.26	2.16	0.38	0.74	0.96	1.21	1.94	0.44	0.77	0.96	1.16	1.79
PROSTATECTOMY	1619	0.00	0.00	0.78	1.53	3.69	0.00	0.54	0.92	1.39	2.57	0.00	0.61	0.93	1.30	2.21
CHOLECYSTECTOMY	642	0.00	0.50	0.96	1.44	3.04	0.00	0.61	0.96	1.36	2.26	0.25	0.66	0.96	1.27	2.01
HYSTERECTOMY	90	0.00	0.00	0.00	1.57	5.00	0.00	0.00	0.68	1.43	2.83	0.00	0.28	0.67	1.15	2.88

TABLE 5: MULTIPLICATIVE FACTORS FOR THE CALCULATION OF THE BOUNDS FOR PREDICTION INTERVALS

(n is the number of cases at your hospital and p is the predicted mortality rate)

	99% Prediction Interval					95% Prediction Interval					75% Prediction Interval				
	Factor for Upper Bound					Factor for Upper Bound					Factor for Upper Bound				
p	1%	5%	10%	20%	40%	1%	5%	10%	20%	40%	1%	5%	10%	20%	40%
n															
25	2.95	2.73	2.68	2.63	2.59	2.15	2.04	2.01	1.99	1.97	1.17	1.16	1.16	1.15	1.15
50	2.76	2.65	2.63	2.60	2.58	2.05	2.00	1.99	1.97	1.96	1.16	1.15	1.15	1.15	1.15
75	2.70	2.63	2.61	2.59	2.58	2.02	1.99	1.98	1.97	1.96	1.16	1.15	1.15	1.15	1.15
100	2.67	2.61	2.60	2.59	2.58	2.01	1.98	1.97	1.97	1.96	1.16	1.15	1.15	1.15	1.15
150	2.64	2.60	2.59	2.59	2.58	1.99	1.97	1.97	1.96	1.96	1.15	1.15	1.15	1.15	1.15
200	2.62	2.60	2.59	2.58	2.58	1.98	1.97	1.97	1.96	1.96	1.15	1.15	1.15	1.15	1.15
300	2.61	2.59	2.58	2.58	2.58	1.98	1.97	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
400	2.60	2.59	2.58	2.58	2.58	1.97	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
500	2.59	2.58	2.58	2.58	2.58	1.97	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
750	2.59	2.58	2.58	2.58	2.58	1.97	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
1000	2.59	2.58	2.58	2.58	2.58	1.96	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
2000	2.58	2.58	2.58	2.58	2.58	1.96	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
5000	2.58	2.58	2.58	2.58	2.58	1.96	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15

	Factor for Lower Bound					Factor for Lower Bound					Factor for Lower Bound				
p	1%	5%	10%	20%	40%	1%	5%	10%	20%	40%	1%	5%	10%	20%	40%
n															
25	-2.21	-2.42	-2.48	-2.52	-2.56	-1.77	-1.88	-1.91	-1.93	-1.95	-1.13	-1.14	-1.14	-1.15	-1.15
50	-2.39	-2.50	-2.53	-2.55	-2.57	-1.87	-1.92	-1.93	-1.95	-1.96	-1.14	-1.15	-1.15	-1.15	-1.15
75	-2.45	-2.52	-2.54	-2.56	-2.57	-1.90	-1.93	-1.94	-1.95	-1.96	-1.14	-1.15	-1.15	-1.15	-1.15
100	-2.48	-2.54	-2.55	-2.56	-2.57	-1.91	-1.94	-1.95	-1.95	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
150	-2.51	-2.55	-2.56	-2.57	-2.57	-1.93	-1.95	-1.95	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
200	-2.53	-2.56	-2.56	-2.57	-2.57	-1.94	-1.95	-1.95	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
300	-2.54	-2.56	-2.57	-2.57	-2.57	-1.94	-1.95	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
400	-2.55	-2.57	-2.57	-2.57	-2.57	-1.95	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
500	-2.56	-2.57	-2.57	-2.57	-2.58	-1.95	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
750	-2.56	-2.57	-2.57	-2.57	-2.58	-1.95	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
1000	-2.57	-2.57	-2.57	-2.57	-2.58	-1.96	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
2000	-2.57	-2.57	-2.57	-2.58	-2.58	-1.96	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
5000	-2.57	-2.58	-2.58	-2.58	-2.58	-1.96	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15

Medicare
Hospital
Information

ADAMS COUNTY MEMORIAL HOSPITAL

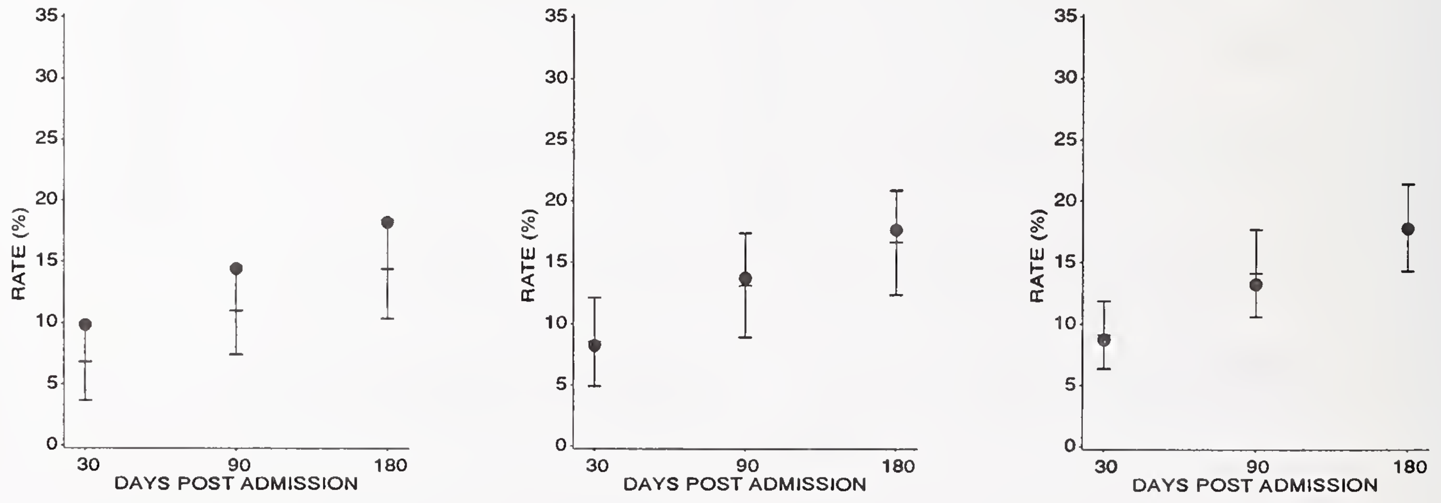
805 HIGH STREET
DECATUR, IN 46733
Medicare Provider Number: 150106

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	470	8.7	9.1	1.4	13.2	14.1	1.8	17.7	17.8	1.8
CONDITIONS:										
Acute Myocardial Infarction	15	13.3	18.7	-----	26.7	22.7	-----	33.3	26.3	-----
Congestive Heart Failure	31	19.4	15.2	-----	25.8	24.0	-----	29.0	30.3	-----
Pneumonia/Influenza	48	14.6	17.4	-----	20.8	23.3	-----	27.1	27.4	-----
Chronic Obstructive Pulmonary Disease	7	0.0	4.2	-----	14.3	8.3	-----	14.3	11.7	-----
Transient Cerebral Ischemia	11	0.0	1.7	-----	0.0	4.2	-----	0.0	7.1	-----
Stroke	30	10.0	14.5	-----	16.7	20.3	-----	30.0	24.6	-----
Hip Fracture	7	0.0	6.4	-----	14.3	12.8	-----	14.3	17.6	-----
Sepsis	3	33.3	29.7	-----	33.3	36.2	-----	66.7	40.5	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	1	0.0	5.9	-----	0.0	10.4	-----	0.0	12.9	-----
Prostatectomy	4	0.0	0.6	-----	0.0	1.7	-----	0.0	3.0	-----
Cholecystectomy	14	0.0	1.6	-----	0.0	2.6	-----	0.0	3.3	-----
Hysterectomy	4	0.0	0.6	-----	0.0	1.5	-----	0.0	2.5	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988 FY 1989 FY 1990

ADAMS COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 150106

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	76.9 years	Cancer	7.0 %
Proportion female	56.4 %	Chronic cardiovascular disease	39.4 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.4 %
Referred by personal or HMO physician	54.9 %	Chronic renal disease	2.6 %
Transferred from skilled nursing facility	0.0 %	Chronic pulmonary disease	10.2 %
Admitted for elective procedure	54.9 %	Cerebrovascular degeneration	3.2 %
Admitted for emergency	42.6 %	Diabetes mellitus	8.3 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City	85.7%	Hospital	5.9 Days
State	9.9%	State	8.0 Days
Outside State	4.4%	National	8.6 Days
Total	100.0%		

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1989

PROFILE:		SPECIALTY SERVICES:	
Total Beds	87	Burn Unit	No
Occupancy Rate	44.0 %	Cardiac Intensive Care	Yes
Ownership/Control	Local Government	Comprehensive Geriatric	No
Medicare Discharges	32.0 %	Hospice Care	No
Case Mix Index (CMI)	1.0284	Medical/Surgical Intensive Care	No
STAFFING:		Organ/Tissue Transplant	No
Total Number of Physicians	12	Other Intensive Care	No
Percent of Physicians Board Certified Specialists	100.0 %	Trauma Center	No
		OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Medical Residents/Interns	0	Alcohol/Drug	No
Registered Nurses	36	Rehabilitation	No
Licensed Practical Nurses	5	Psychiatric	Yes
		Medicare Swing Beds	Yes

** Except for CMI

* Not used in calculating mortality rates

AMI CULVER UNION HOSPITAL

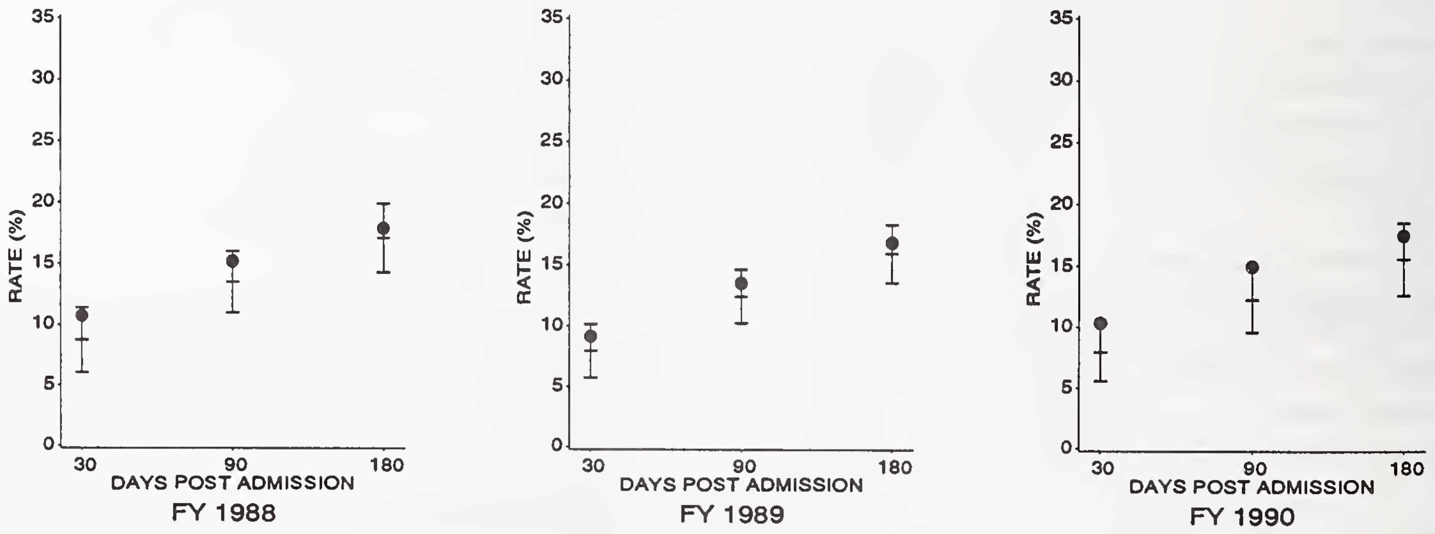
1710 LAFAYETTE RD
CRAWFORDSVILLE, IN 47933
Medicare Provider Number: 150022

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD*	90 DAYS OBS	PRED	SD*	180 DAYS OBS	PRED	SD*
ALL CAUSES	1037	10.3	7.9	1.2	14.9	12.2	1.3	17.4	15.5	1.5
CONDITIONS:										
Acute Myocardial Infarction	21	38.1	26.8	-----	42.9	30.8	-----	42.9	34.5	-----
Congestive Heart Failure	41	12.2	12.5	-----	22.0	20.3	-----	24.4	26.0	-----
Pneumonia/Influenza	62	14.5	13.3	4.6	17.7	18.5	5.1	21.0	22.3	5.5
Chronic Obstructive Pulmonary Disease	27	3.7	6.2	-----	14.8	11.0	-----	18.5	15.1	-----
Transient Cerebral Ischemia	23	0.0	1.5	-----	4.3	3.5	-----	8.7	5.8	-----
Stroke	38	31.6	18.0	-----	31.6	23.7	-----	34.2	27.7	-----
Hip Fracture	37	8.1	5.0	-----	16.2	8.9	-----	18.9	12.2	-----
Sepsis	26	30.8	27.8	-----	42.3	35.6	-----	57.7	40.8	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.7	-----	0.0	5.8	-----	0.0	8.7	-----
Carotid Endarterectomy	1	0.0	2.4	-----	0.0	4.5	-----	0.0	7.3	-----
Hip Replacement/Reconstruction	18	0.0	2.5	-----	11.1	5.0	-----	11.1	7.1	-----
Open Reduction of Hip Fracture	22	9.1	5.5	-----	13.6	9.8	-----	18.2	13.5	-----
Prostatectomy	37	0.0	0.8	-----	0.0	1.8	-----	2.7	3.1	-----
Cholecystectomy	25	4.0	1.4	-----	4.0	2.7	-----	4.0	3.5	-----
Hysterectomy	5	20.0	1.7	-----	20.0	3.2	-----	20.0	4.4	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



AMI CULVER UNION HOSPITAL
Medicare Provider Number: 150022

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	75.8 years
Proportion female	59.3 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	97.8 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	0.0 %
Admitted for emergency	2.2 %

COMORBIDITIES:

Cancer	5.1 %
Chronic cardiovascular disease	39.4 %
Chronic liver disease	0.4 %
Chronic renal disease	2.0 %
Chronic pulmonary disease	15.6 %
Cerebrovascular degeneration	4.6 %
Diabetes mellitus	8.4 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	85.8%
State	12.6%
Outside State	1.6%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	6.1 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	86
Occupancy Rate	58.0 %
Ownership/Control	Private, For Profit
Medicare Discharges	41.4 %
Case Mix Index (CMI)	1.1309

STAFFING:

Total Number of Physicians	35
Percent of Physicians Board Certified Specialists	71.4 %
Medical Residents/Interns	0
Registered Nurses	60
Licensed Practical Nurses	18

** Except for CMI

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

*** Not used in calculating mortality rates**

BALL MEMORIAL HOSPITAL

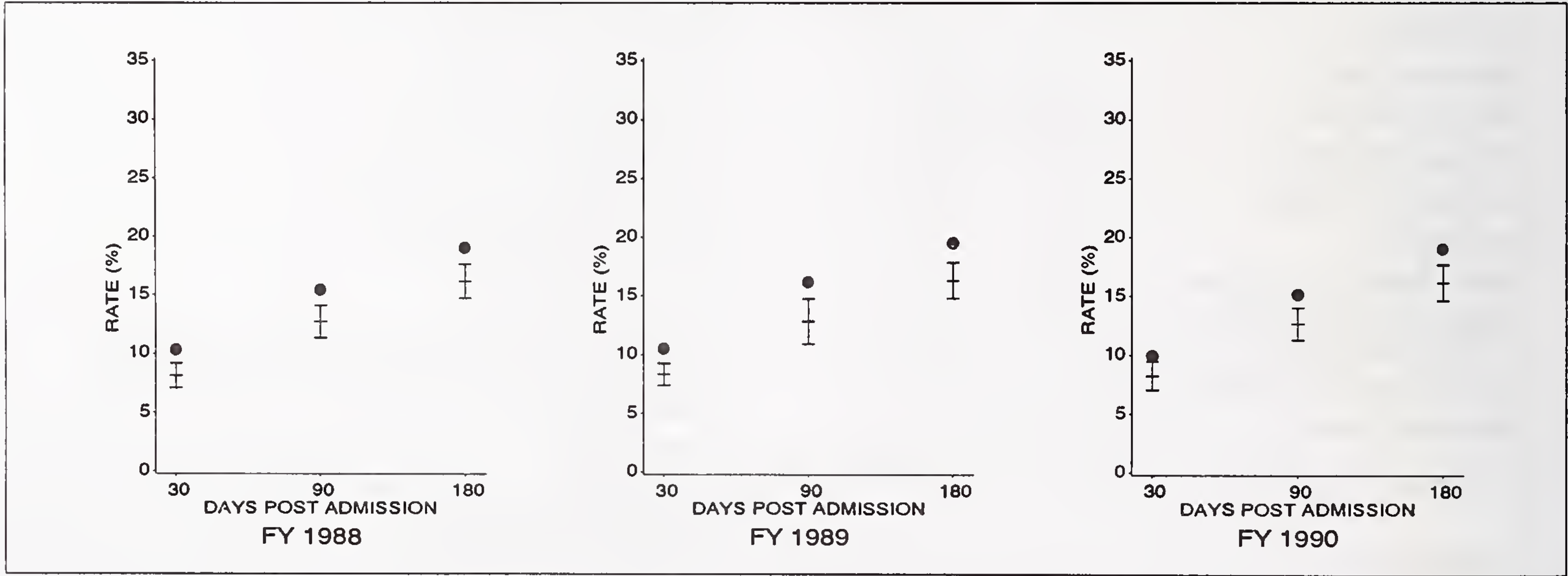
2401 UNIVERSITY AVENUE
MUNCIE, IN 47303
Medicare Provider Number: 150089

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	4117	9.9	8.2	0.6	15.1	12.6	0.7	19.0	16.1	0.8
CONDITIONS:										
Acute Myocardial Infarction	139	30.2	23.2	5.7	34.5	26.1	6.2	36.7	29.0	5.9
Congestive Heart Failure	224	14.7	12.9	3.9	24.1	21.1	4.9	31.7	27.2	5.9
Pneumonia/Influenza	202	16.8	12.0	3.2	23.8	16.8	4.4	27.7	20.2	4.7
Chronic Obstructive Pulmonary Disease	84	10.7	7.2	5.6	17.9	12.8	6.8	22.6	17.3	7.2
Transient Cerebral Ischemia	42	2.4	1.8	-----	4.8	4.1	-----	4.8	6.7	-----
Stroke	156	21.2	16.6	4.8	29.5	22.1	5.9	33.3	25.7	5.7
Hip Fracture	123	12.2	5.9	3.4	16.3	10.7	3.7	19.5	14.4	4.8
Sepsis	34	20.6	23.3	-----	35.3	30.6	-----	47.1	35.3	-----
PROCEDURES:										
Angioplasty	41	7.3	2.6	-----	7.3	3.6	-----	7.3	4.6	-----
Coronary Artery Bypass Graft	43	9.3	4.6	-----	9.3	6.4	-----	9.3	7.2	-----
Initial Pacemaker Insertion	23	0.0	3.9	-----	4.3	7.3	-----	4.3	10.2	-----
Carotid Endarterectomy	5	0.0	1.5	-----	0.0	2.5	-----	0.0	3.6	-----
Hip Replacement/Reconstruction	89	5.6	2.6	3.4	5.6	4.8	3.3	5.6	6.6	4.3
Open Reduction of Hip Fracture	44	13.6	6.2	-----	18.2	11.9	-----	27.3	16.3	-----
Prostatectomy	167	0.6	1.0	0.9	2.4	2.3	1.4	3.6	4.0	1.6
Cholecystectomy	79	5.1	3.6	3.2	8.9	6.7	4.9	11.4	8.8	5.4
Hysterectomy	45	0.0	0.8	-----	0.0	1.8	-----	0.0	2.8	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

BALL MEMORIAL HOSPITAL

Medicare Provider Number: 150089

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	73.4 years
Proportion female	56.9 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	97.5 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	2.2 %
Admitted for emergency	11.1 %

COMORBIDITIES:

Cancer	8.3 %
Chronic cardiovascular disease	35.9 %
Chronic liver disease	0.7 %
Chronic renal disease	3.7 %
Chronic pulmonary disease	13.5 %
Cerebrovascular degeneration	4.8 %
Diabetes mellitus	6.5 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	70.6%
State	27.1%
Outside State	2.3%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	9.2 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	542
Occupancy Rate	60.0 %
Ownership.Control	Private, Non-Profit
Medicare Discharges	40.8 %
Case Mix Index (CMI)	1.2909

STAFFING:

Total Number of Physicians	154
Percent of Physicians Board Certified Specialists	74.7 %
Medical Residents/Interns	(Not Available)
Registered Nurses	(Not Available)
Licensed Practical Nurses	(Not Available)

** Except for CMI

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	Yes

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	Yes
Rehabilitation	Yes
Psychiatric	Yes
Medicare Swing Beds	Yes

*** Not used in calculating mortality rates**

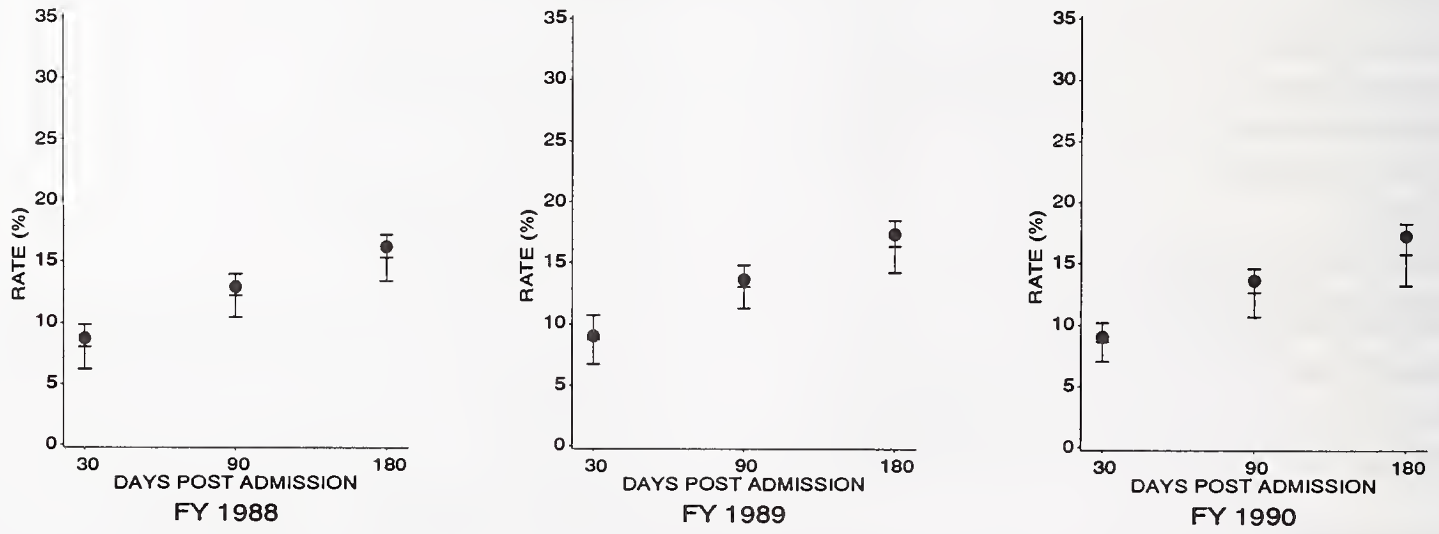
BARTHOLOMEW COUNTY HOSPITAL
2400 EAST 17TH STREET
COLUMBUS, IN 47201
Medicare Provider Number: 150112

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD*	90 DAYS OBS	90 DAYS PRED	90 DAYS SD*	180 DAYS OBS	180 DAYS PRED	180 DAYS SD*
ALL CAUSES	1985	9.0	8.6	0.8	13.6	12.6	1.0	17.2	15.7	1.3
CONDITIONS:										
Acute Myocardial Infarction	61	26.2	27.7	6.4	26.2	30.6	7.1	34.4	33.2	7.7
Congestive Heart Failure	103	16.5	13.4	4.9	24.3	21.0	7.6	34.0	26.9	9.5
Pneumonia/Influenza	111	21.6	14.9	6.7	27.9	20.0	7.4	30.6	23.7	7.1
Chronic Obstructive Pulmonary Disease	30	6.7	7.4	-----	16.7	12.8	-----	16.7	17.1	-----
Transient Cerebral Ischemia	31	0.0	1.7	-----	0.0	3.9	-----	6.5	6.3	-----
Stroke	94	11.7	20.6	5.9	20.2	27.6	6.1	25.5	31.6	5.6
Hip Fracture	56	7.1	7.4	3.9	8.9	12.6	5.0	19.6	16.2	5.1
Sepsis	22	45.5	36.8	-----	50.0	46.8	-----	54.5	52.2	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	7.7	3.6	-----	7.7	7.1	-----	15.4	9.9	-----
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	47	2.1	3.4	-----	4.3	6.0	-----	6.4	7.7	-----
Open Reduction of Hip Fracture	24	4.2	5.7	-----	4.2	10.3	-----	16.7	13.8	-----
Prostatectomy	65	0.0	0.8	3.1	4.6	1.9	3.1	6.2	3.2	3.8
Cholecystectomy	29	6.9	2.5	-----	6.9	4.6	-----	10.3	6.1	-----
Hysterectomy	20	0.0	0.4	-----	5.0	1.0	-----	5.0	1.7	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



BARTHOLOMEW COUNTY HOSPITAL
Medicare Provider Number: 150112

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	73.8 years	Cancer	5.4 %
Proportion female	59.4 %	Chronic cardiovascular disease	53.2 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.4 %
Referred by personal or HMO physician	42.0 %	Chronic renal disease	1.1 %
Transferred from skilled nursing facility	0.3 %	Chronic pulmonary disease	13.7 %
Admitted for elective procedure	18.8 %	Cerebrovascular degeneration	4.0 %
Admitted for emergency	47.2 %	Diabetes mellitus	6.9 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City	66.2%	Hospital	6.2 Days
State	31.9%	State	8.0 Days
Outside State	1.9%	National	8.6 Days
Total	100.0%		

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:		SPECIALTY SERVICES:	
Total Beds	205	Burn Unit	No
Occupancy Rate	62.0 %	Cardiac Intensive Care	No
Ownership/Control	Local Government	Comprehensive Geriatric	No
Medicare Discharges	33.1 %	Hospice Care	Yes
Case Mix Index (CMI)	1.1448	Medical/Surgical Intensive Care	Yes
STAFFING:		Organ/Tissue Transplant	No
Total Number of Physicians	94	Other Intensive Care	No
Percent of Physicians Board Certified Specialists	80.9 %	Trauma Center	No
		OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Medical Residents/Interns	0	Alcohol/Drug	No
Registered Nurses	215	Rehabilitation	Yes
Licensed Practical Nurses	101	Psychiatric	Yes
		Medicare Swing Beds	No

** Except for CMI

*** Not used in calculating mortality rates**

BEDFORD MEDICAL CENTER

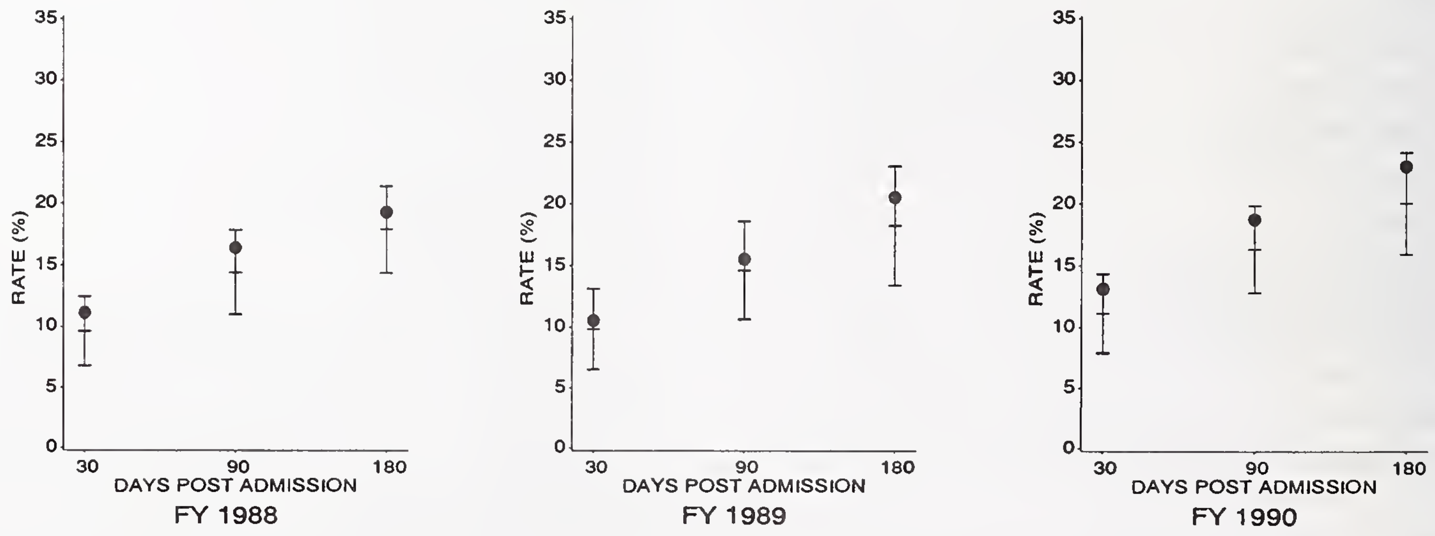
2900 WEST 16TH STREET
BEDFORD, IN 47421
Medicare Provider Number: 150124

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	712	13.1	11.1	1.6	18.7	16.3	1.8	23.0	20.0	2.1
CONDITIONS:										
Acute Myocardial Infarction	33	33.3	30.9	-----	36.4	34.7	-----	36.4	37.7	-----
Congestive Heart Failure	50	16.0	16.7	-----	20.0	25.9	-----	26.0	32.5	-----
Pneumonia/Influenza	43	23.3	15.6	-----	32.6	21.0	-----	32.6	24.7	-----
Chronic Obstructive Pulmonary Disease	21	4.8	5.9	-----	9.5	10.8	-----	19.0	14.9	-----
Transient Cerebral Ischemia	9	0.0	3.0	-----	0.0	6.9	-----	0.0	10.8	-----
Stroke	22	18.2	26.0	-----	36.4	33.6	-----	40.9	37.5	-----
Hip Fracture	13	23.1	8.1	-----	23.1	14.0	-----	23.1	17.6	-----
Sepsis	10	30.0	15.8	-----	40.0	20.8	-----	40.0	24.3	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	0.9	-----	0.0	1.8	-----	0.0	2.8	-----
Carotid Endarterectomy	4	0.0	2.5	-----	0.0	4.0	-----	0.0	5.5	-----
Hip Replacement/Reconstruction	7	28.6	4.1	-----	28.6	7.5	-----	28.6	9.6	-----
Open Reduction of Hip Fracture	4	0.0	8.7	-----	0.0	14.8	-----	0.0	19.2	-----
Prostatectomy	14	0.0	1.1	-----	0.0	2.4	-----	0.0	3.9	-----
Cholecystectomy	17	11.8	2.2	-----	11.8	3.9	-----	11.8	5.4	-----
Hysterectomy	1	0.0	0.0	-----	0.0	0.1	-----	0.0	0.1	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



BEDFORD MEDICAL CENTER
Medicare Provider Number: 150124

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	75.4 years
Proportion female	53.9 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	29.5 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	11.1 %
Admitted for emergency	87.4 %

COMORBIDITIES:

Cancer	7.7 %
Chronic cardiovascular disease	43.1 %
Chronic liver disease	1.0 %
Chronic renal disease	2.8 %
Chronic pulmonary disease	17.0 %
Cerebrovascular degeneration	2.0 %
Diabetes mellitus	8.8 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	68.3%
State	29.4%
Outside State	2.3%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	6.4 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	117
Occupancy Rate	35.0 %
Ownership.Control	Private, Non-Profit
Medicare Discharges	37.8 %
Case Mix Index (CMI)	1.1433

STAFFING:

Total Number of Physicians	45
Percent of Physicians Board Certified Specialists	57.8 %
Medical Residents/Interns	0
Registered Nurses	73
Licensed Practical Nurses	14

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	Yes
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

** Except for CMI

*** Not used in calculating mortality rates**

BLACKFORD COUNTY HOSPITAL

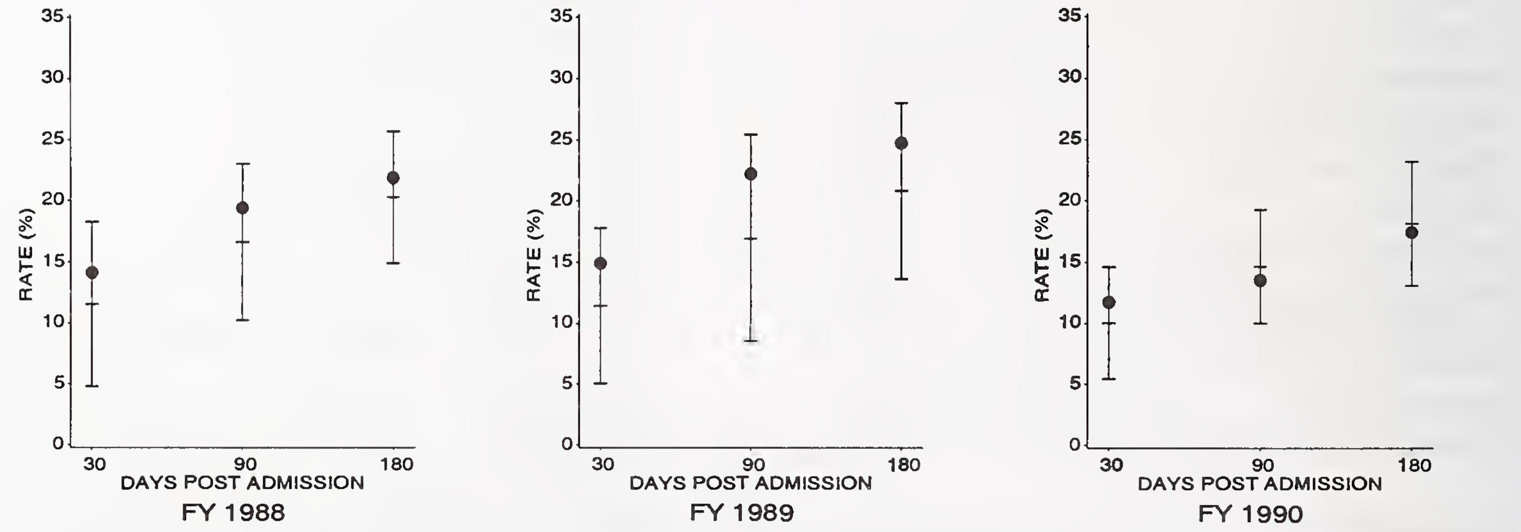
503 EAST VAN CLEVE STREET
HARTFORD CITY, IN 47348
Medicare Provider Number: 150114

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	282	11.7	10.0	2.3	13.5	14.6	2.3	17.4	18.1	2.5
CONDITIONS:										
Acute Myocardial Infarction	12	50.0	29.1	-----	50.0	31.8	-----	50.0	34.6	-----
Congestive Heart Failure	11	0.0	12.7	-----	0.0	19.6	-----	0.0	25.3	-----
Pneumonia/Influenza	14	14.3	11.1	-----	14.3	15.4	-----	14.3	18.6	-----
Chronic Obstructive Pulmonary Disease	9	0.0	5.6	-----	0.0	10.2	-----	11.1	13.9	-----
Transient Cerebral Ischemia	4	0.0	1.3	-----	0.0	3.1	-----	0.0	5.5	-----
Stroke	16	25.0	20.6	-----	31.3	28.4	-----	31.3	32.9	-----
Hip Fracture	6	16.7	8.8	-----	16.7	15.2	-----	16.7	19.1	-----
Sepsis	4	0.0	26.0	-----	0.0	31.7	-----	0.0	35.5	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	5.2	-----	0.0	9.3	-----	0.0	13.2	-----
Open Reduction of Hip Fracture	0									
Prostatectomy	3	0.0	2.6	-----	0.0	6.2	-----	0.0	10.6	-----
Cholecystectomy	4	0.0	1.2	-----	0.0	2.5	-----	0.0	3.8	-----
Hysterectomy	0									

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



BLACKFORD COUNTY HOSPITAL
Medicare Provider Number: 150114

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	76.8 years
Proportion female	67.0 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	92.9 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	12.1 %
Admitted for emergency	45.0 %

COMORBIDITIES:	
Cancer	4.6 %
Chronic cardiovascular disease	33.7 %
Chronic liver disease	0.4 %
Chronic renal disease	3.2 %
Chronic pulmonary disease	8.5 %
Cerebrovascular degeneration	4.3 %
Diabetes mellitus	5.7 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	80.1%
State	18.5%
Outside State	1.4%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	5.1 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	60
Occupancy Rate	31.0 %
Ownership/Control	Local Government
Medicare Discharges	44.9 %
Case Mix Index (CMI)	1.0771
STAFFING:	
Total Number of Physicians	12
Percent of Physicians Board Certified Specialists	16.7 %
Medical Residents/Interns	0
Registered Nurses	20
Licensed Practical Nurses	8

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	Yes
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	Yes

** Except for CMI

* Not used in calculating mortality rates

BLOOMINGTON HOSPITAL

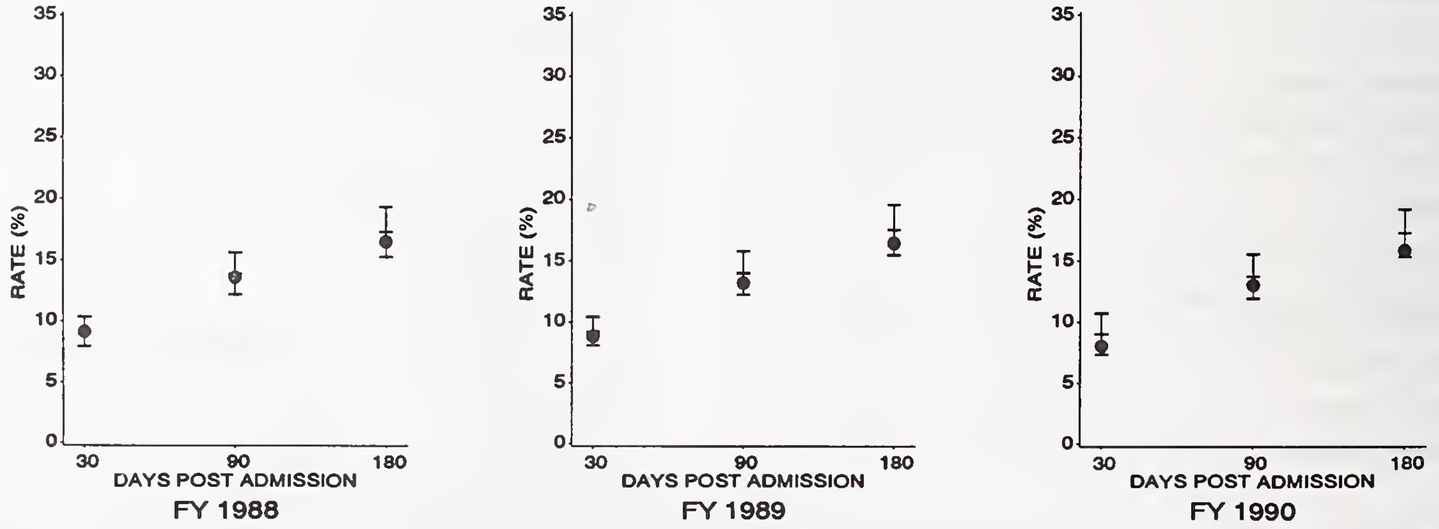
P O BOX 1149
BLOOMINGTON, IN 47402
Medicare Provider Number: 150051

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD*	90 DAYS OBS	PRED	SD*	180 DAYS OBS	PRED	SD*
ALL CAUSES	2591	8.0	9.0	0.9	13.0	13.7	0.9	15.8	17.2	1.0
CONDITIONS:										
Acute Myocardial Infarction	72	19.4	27.6	9.0	29.2	31.0	9.8	31.9	33.8	8.3
Congestive Heart Failure	148	14.9	14.6	2.9	19.6	23.1	3.8	23.6	29.2	4.6
Pneumonia/Influenza	136	11.8	15.4	4.1	15.4	21.5	5.2	19.9	25.4	4.9
Chronic Obstructive Pulmonary Disease	44	20.5	8.2	-----	27.3	15.4	-----	29.5	21.2	-----
Transient Cerebral Ischemia	45	2.2	1.9	-----	2.2	4.2	-----	6.7	6.7	-----
Stroke	118	16.1	18.6	4.2	22.0	24.4	4.5	24.6	28.0	4.9
Hip Fracture	75	5.3	5.8	2.7	6.7	10.3	4.2	6.7	13.6	5.6
Sepsis	21	14.3	22.7	-----	19.0	28.9	-----	33.3	33.0	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	1	0.0	3.5	-----	0.0	6.9	-----	0.0	8.5	-----
Initial Pacemaker Insertion	20	0.0	4.0	-----	0.0	7.1	-----	0.0	9.6	-----
Carotid Endarterectomy	1	0.0	0.8	-----	0.0	1.5	-----	0.0	2.4	-----
Hip Replacement/Reconstruction	36	0.0	3.6	-----	2.8	7.3	-----	2.8	10.2	-----
Open Reduction of Hip Fracture	33	6.1	5.9	-----	6.1	10.7	-----	6.1	14.1	-----
Prostatectomy	111	0.9	0.8	1.1	1.8	1.8	2.5	5.4	3.0	2.7
Cholecystectomy	86	0.0	3.2	2.8	4.7	6.0	2.9	7.0	8.1	3.2
Hysterectomy	27	0.0	0.5	-----	0.0	1.1	-----	0.0	1.7	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



BLOOMINGTON HOSPITAL

Medicare Provider Number: 150051

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	74.3 years
Proportion female	56.2 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	44.1 %
Transferred from skilled nursing facility	0.5 %
Admitted for elective procedure	12.5 %
Admitted for emergency	49.9 %

COMORBIDITIES:	
Cancer	8.7 %
Chronic cardiovascular disease	31.4 %
Chronic liver disease	0.9 %
Chronic renal disease	3.3 %
Chronic pulmonary disease	12.8 %
Cerebrovascular degeneration	3.6 %
Diabetes mellitus	7.2 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	61.9%
State	36.2%
Outside State	1.9%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	7.5 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	285
Occupancy Rate	67.0 %
Ownership.Control	Private, Non-Profit
Medicare Discharges	31.4 %
Case Mix Index (CMI)	1.2151
STAFFING:	
Total Number of Physicians	131
Percent of Physicians Board Certified Specialists	73.3 %
Medical Residents/Interns	0
Registered Nurses	291
Licensed Practical Nurses	102

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Trauma Center	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	No
Rehabilitation	Yes
Psychiatric	Yes
Medicare Swing Beds	No

** Except for CMI

* Not used in calculating mortality rates

CAMERON MEMORIAL COMMUNITY HOSPITAL

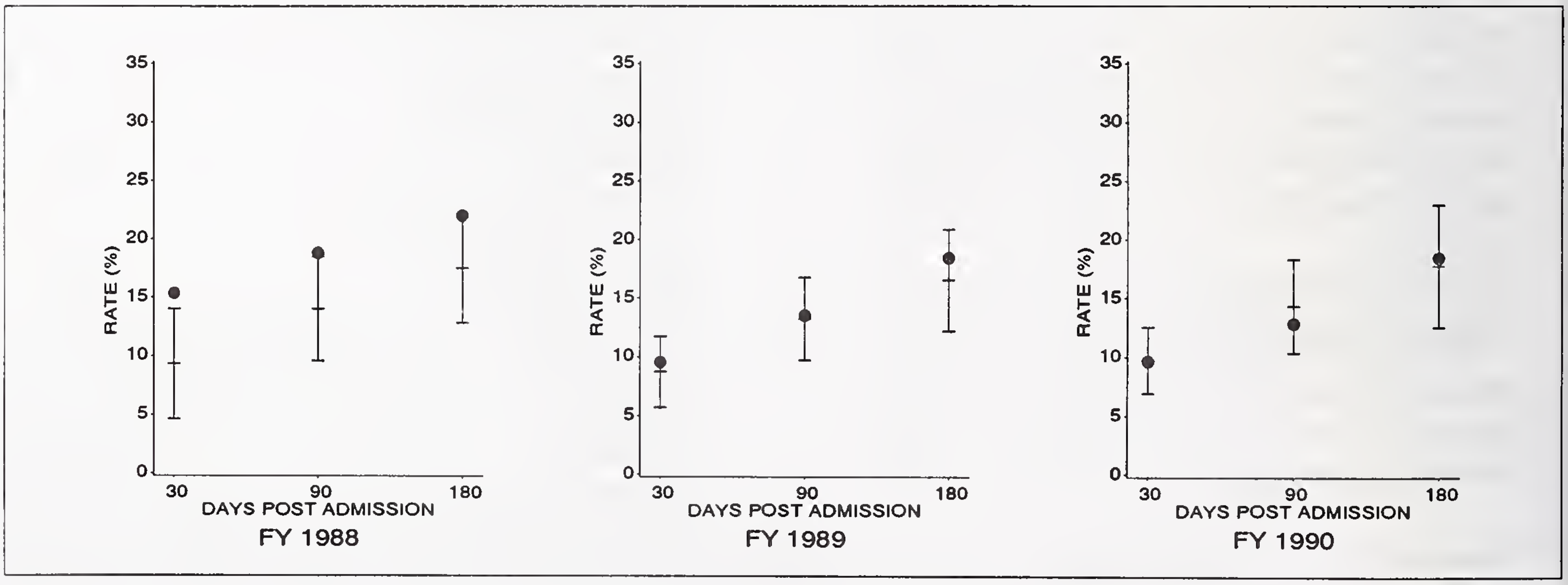
416 EAST AND 909 WEST MAUMEE STREET
ANGOLA, IN 46703
Medicare Provider Number: 150039

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD*	90 DAYS OBS	PRED	SD*	180 DAYS OBS	PRED	SD*
ALL CAUSES	468	9.6	9.7	1.4	12.8	14.3	2.0	18.4	17.7	2.6
CONDITIONS:										
Acute Myocardial Infarction	18	33.3	26.3	-----	33.3	30.3	-----	38.9	33.5	-----
Congestive Heart Failure	27	14.8	14.2	-----	14.8	21.6	-----	18.5	27.2	-----
Pneumonia/Influenza	40	7.5	11.6	-----	10.0	16.1	-----	15.0	19.3	-----
Chronic Obstructive Pulmqnary Disease	8	12.5	6.9	-----	12.5	12.6	-----	25.0	16.6	-----
Transient Cerebral Ischemia	2	0.0	0.8	-----	0.0	2.1	-----	0.0	3.9	-----
Stroke	8	0.0	18.5	-----	0.0	22.1	-----	0.0	25.3	-----
Hip Fracture	12	16.7	4.8	-----	16.7	8.7	-----	16.7	11.5	-----
Sepsis	11	18.2	36.6	-----	18.2	43.8	-----	27.3	48.6	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	11	18.2	4.4	-----	18.2	8.2	-----	18.2	10.9	-----
Prostatectomy	7	0.0	0.5	-----	0.0	1.2	-----	0.0	2.1	-----
Cholecystectomy	6	16.7	1.5	-----	16.7	2.8	-----	16.7	3.7	-----
Hysterectomy	6	0.0	0.2	-----	0.0	0.5	-----	0.0	1.0	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



CAMERON MEMORIAL COMMUNITY HOSPITAL
Medicare Provider Number: 150039

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	77.1 years	Cancer	6.2 %
Proportion female	60.5 %	Chronic cardiovascular disease	23.7 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.6 %
Referred by personal or HMO physician	34.6 %	Chronic renal disease	0.9 %
Transferred from skilled nursing facility	0.0 %	Chronic pulmonary disease	13.0 %
Admitted for elective procedure	0.9 %	Cerebrovascular degeneration	1.1 %
Admitted for emergency	0.0 %	Diabetes mellitus	4.7 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City	79.6%	Hospital	5.0 Days
State	7.8%	State	8.0 Days
Outside State	12.6%	National	8.6 Days
Total	100.0%		

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:		SPECIALTY SERVICES:	
Total Beds	61	Burn Unit	No
Occupancy Rate	47.0 %	Cardiac Intensive Care	No
Ownership.Control	Private, Non-Profit	Comprehensive Geriatric	No
Medicare Discharges	32.0 %	Hospice Care	Yes
Case Mix Index (CMI)	1.0795	Medical/Surgical Intensive Care	Yes
STAFFING:		Organ/Tissue Transplant	No
Total Number of Physicians	12	Other Intensive Care	No
Percent of Physicians Board Certified Specialists	41.7 %	Trauma Center	No
		OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Medical Residents/Interns	0	Alcohol/Drug	Yes
Registered Nurses	48	Rehabilitation	No
Licensed Practical Nurses	18	Psychiatric	No
		Medicare Swing Beds	No

** Except for CMI

* Not used in calculating mortality rates

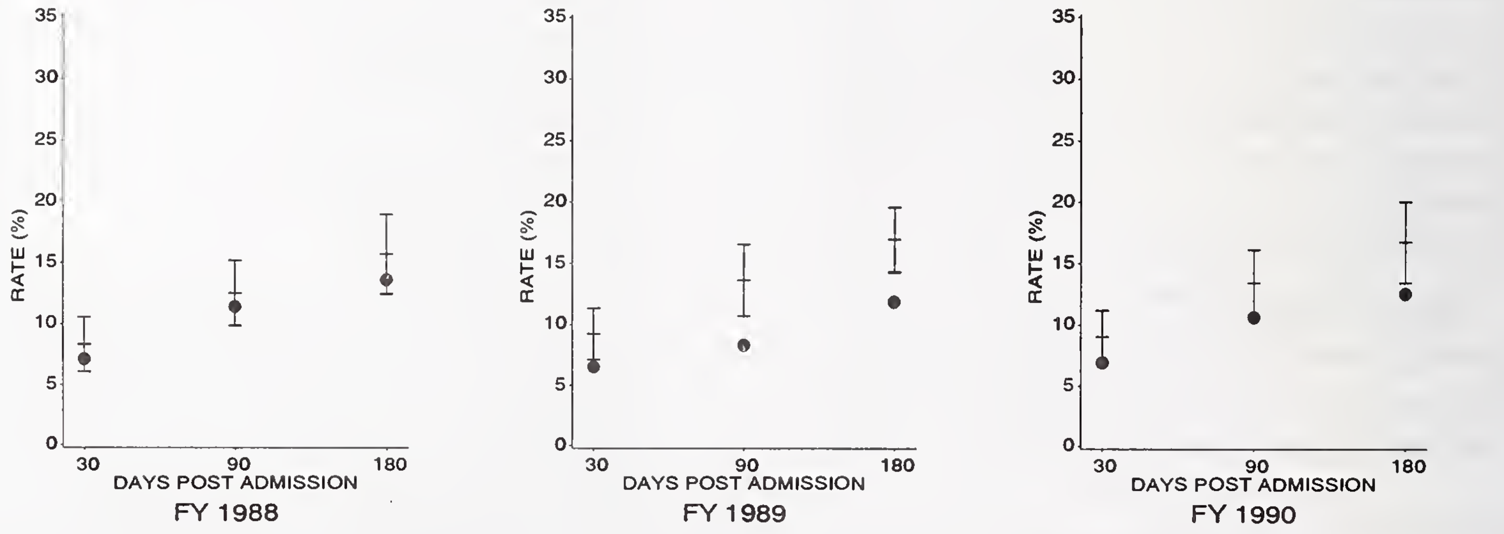
CAYLOR-NICKEL MEDICAL CENTER
ONE CAYLOR-NICKEL SQUARE
BLUFFTON, IN 46714
Medicare Provider Number: 150075

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	959	6.9	9.0	1.1	10.6	13.4	1.3	12.5	16.7	1.7
CONDITIONS:										
Acute Myocardial Infarction	20	35.0	38.8	-----	50.0	42.8	-----	50.0	45.6	-----
Congestive Heart Failure	79	11.4	14.0	5.3	21.5	21.8	4.7	25.3	27.9	5.5
Pneumonia/Influenza	34	5.9	15.2	-----	5.9	21.2	-----	8.8	24.9	-----
Chronic Obstructive Pulmonary Disease	29	0.0	5.2	-----	0.0	9.4	-----	6.9	12.9	-----
Transient Cerebral Ischemia	14	0.0	1.7	-----	0.0	3.9	-----	0.0	6.3	-----
Stroke	38	28.9	24.0	-----	36.8	30.7	-----	36.8	34.8	-----
Hip Fracture	22	0.0	5.8	-----	4.5	9.9	-----	4.5	12.8	-----
Sepsis	8	12.5	30.3	-----	12.5	39.5	-----	25.0	44.5	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	2.2	-----	9.1	4.7	-----	9.1	7.1	-----
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	27	0.0	2.2	-----	3.7	4.2	-----	3.7	5.9	-----
Open Reduction of Hip Fracture	7	0.0	5.9	-----	0.0	10.3	-----	0.0	13.3	-----
Prostatectomy	33	0.0	1.4	-----	0.0	3.5	-----	0.0	6.2	-----
Cholecystectomy	27	3.7	2.3	-----	7.4	4.1	-----	11.1	5.5	-----
Hysterectomy	9	0.0	0.4	-----	0.0	0.9	-----	0.0	1.5	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



CAYLOR-NICKEL MEDICAL CENTER

Medicare Provider Number: 150075

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	74.7 years
Proportion female	55.7 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	48.3 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	21.3 %
Admitted for emergency	54.0 %

COMORBIDITIES:	
Cancer	7.7 %
Chronic cardiovascular disease	34.3 %
Chronic liver disease	0.4 %
Chronic renal disease	2.1 %
Chronic pulmonary disease	16.7 %
Cerebrovascular degeneration	2.7 %
Diabetes mellitus	4.1 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	30.4%
State	64.5%
Outside State	5.1%

Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	6.1 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	160
Occupancy Rate	44.0 %
Ownership.Control	Private, Non-Profit
Medicare Discharges	36.7 %
Case Mix Index (CMI)	1.2519
STAFFING:	
Total Number of Physicians	52
Percent of Physicians Board Certified Specialists	67.3 %
Medical Residents/Interns	0
Registered Nurses	89
Licensed Practical Nurses	24

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	Yes
Rehabilitation	No
Psychiatric	Yes
Medicare Swing Beds	No

** Except for CMI

* Not used in calculating mortality rates

CLARK COUNTY MEMORIAL HOSPITAL

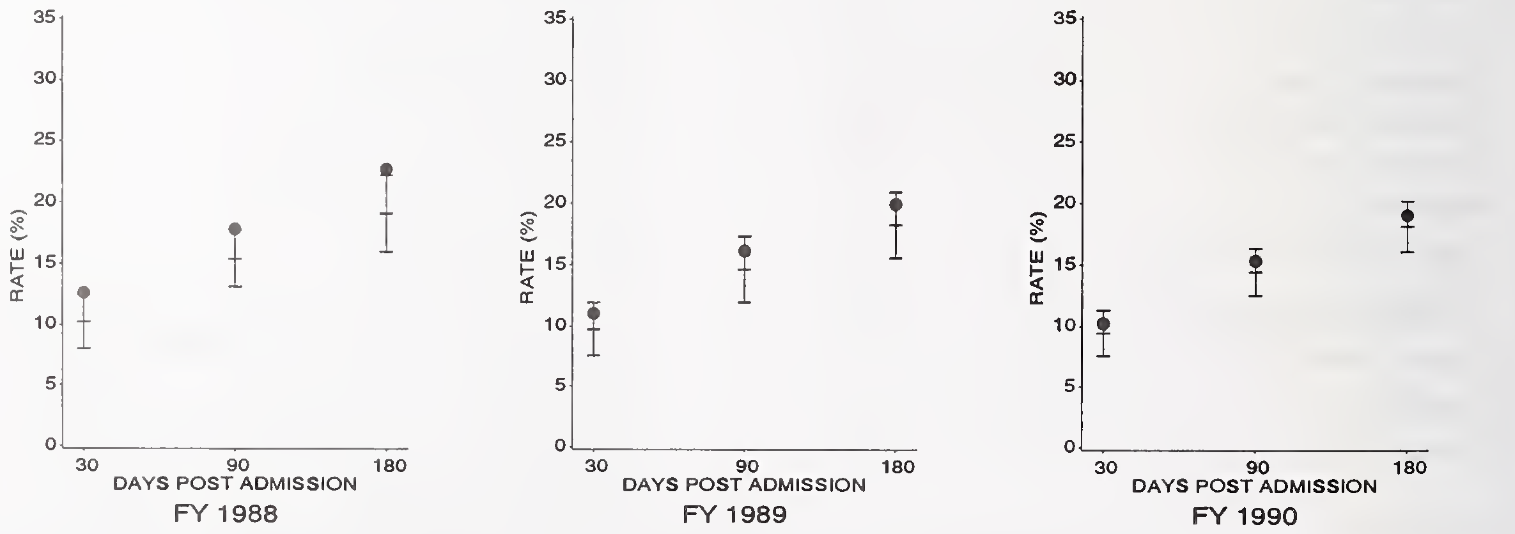
1220 MISSOURI AVENUE
JEFFERSONVILLE, IN 47130
Medicare Provider Number: 150009

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	1811	10.2	9.4	0.9	15.3	14.4	1.0	19.0	18.1	1.0
CONDITIONS:										
Acute Myocardial Infarction	40	27.5	27.9	-----	35.0	31.3	-----	35.0	34.3	-----
Congestive Heart Failure	112	15.2	14.6	3.9	21.4	23.6	5.5	28.6	29.9	4.5
Pneumonia/Influenza	140	19.3	13.8	5.0	25.0	18.9	6.1	30.0	22.5	6.8
Chronic Obstructive Pulmonary Disease	24	8.3	8.1	-----	8.3	14.0	-----	12.5	18.7	-----
Transient Cerebral Ischemia	18	0.0	2.1	-----	0.0	4.7	-----	0.0	7.9	-----
Stroke	69	21.7	17.1	5.4	24.6	22.9	5.2	29.0	26.6	5.9
Hip Fracture	62	4.8	6.3	3.3	8.1	11.2	4.9	11.3	14.8	5.5
Sepsis	22	40.9	24.5	-----	50.0	30.6	-----	50.0	34.9	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	1.5	-----	0.0	3.3	-----	11.1	5.3	-----
Carotid Endarterectomy	5	0.0	2.0	-----	0.0	3.4	-----	0.0	4.6	-----
Hip Replacement/Reconstruction	47	2.1	4.4	-----	4.3	8.0	-----	6.4	10.8	-----
Open Reduction of Hip Fracture	19	10.5	5.3	-----	15.8	9.4	-----	15.8	12.6	-----
Prostatectomy	44	0.0	0.7	-----	0.0	1.8	-----	6.8	3.3	-----
Cholecystectomy	34	0.0	1.7	-----	0.0	3.1	-----	2.9	4.3	-----
Hysterectomy	23	0.0	0.2	-----	0.0	0.4	-----	0.0	0.7	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



CLARK COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 150009

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	74.0 years
Proportion female	60.9 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	98.0 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	15.1 %
Admitted for emergency	82.9 %

COMORBIDITIES:	
Cancer	7.6 %
Chronic cardiovascular disease	39.1 %
Chronic liver disease	0.8 %
Chronic renal disease	3.9 %
Chronic pulmonary disease	18.9 %
Cerebrovascular degeneration	4.9 %
Diabetes mellitus	6.8 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	75.4%
State	17.3%
Outside State	7.3%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	7.4 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	238
Occupancy Rate	72.0 %
Ownership/Control	Local Government
Medicare Discharges	44.1 %
Case Mix Index (CMI)	1.2881
STAFFING:	
Total Number of Physicians	121
Percent of Physicians Board Certified Specialists	52.9 %
Medical Residents/Interns	0
Registered Nurses	173
Licensed Practical Nurses	51

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Trauma Center	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	No
Rehabilitation	Yes
Psychiatric	No
Medicare Swing Beds	Yes

** Except for CMI

* Not used in calculating mortality rates

CLAY COUNTY HOSPITAL

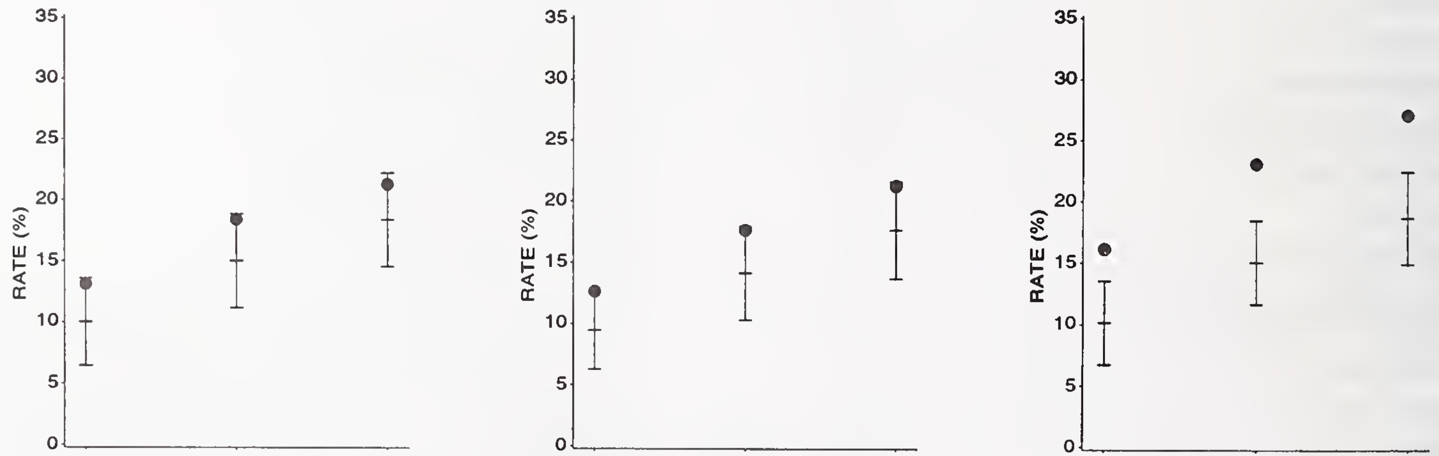
1206 EAST NATIONAL AVENUE
BRAZIL, IN 47834
Medicare Provider Number: 150050

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD*	90 DAYS OBS	90 DAYS PRED	90 DAYS SD*	180 DAYS OBS	180 DAYS PRED	180 DAYS SD*
ALL CAUSES	540	16.1	10.1	1.7	23.0	15.0	1.7	27.0	18.6	1.9
CONDITIONS:										
Acute Myocardial Infarction	19	31.6	27.8	-----	36.8	31.0	-----	42.1	33.7	-----
Congestive Heart Failure	34	20.6	14.3	-----	35.3	23.8	-----	38.2	30.2	-----
Pneumonia/Influenza	30	23.3	12.6	-----	30.0	17.1	-----	30.0	20.6	-----
Chronic Obstructive Pulmonary Disease	12	8.3	7.6	-----	8.3	14.3	-----	16.7	19.0	-----
Transient Cerebral Ischemia	8	0.0	2.3	-----	0.0	5.6	-----	0.0	9.0	-----
Stroke	25	40.0	18.0	-----	40.0	22.8	-----	44.0	26.4	-----
Hip Fracture	23	21.7	5.5	-----	30.4	10.8	-----	34.8	14.8	-----
Sepsis	5	60.0	26.7	-----	60.0	31.6	-----	60.0	35.7	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	11.1	3.5	-----	11.1	6.7	-----	11.1	9.2	-----
Open Reduction of Hip Fracture	11	27.3	5.5	-----	45.5	11.3	-----	45.5	15.8	-----
Prostatectomy	10	0.0	0.6	-----	0.0	1.6	-----	10.0	2.8	-----
Cholecystectomy	16	0.0	1.5	-----	0.0	2.6	-----	6.3	3.4	-----
Hysterectomy	5	0.0	0.1	-----	0.0	0.2	-----	0.0	0.4	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988 FY 1989 FY 1990

CLAY COUNTY HOSPITAL

Medicare Provider Number: 150050

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	77.8 years	Cancer	4.8 %
Proportion female	58.9 %	Chronic cardiovascular disease	33.3 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.9 %
Referred by personal or HMO physician	92.8 %	Chronic renal disease	2.8 %
Transferred from skilled nursing facility	0.7 %	Chronic pulmonary disease	12.4 %
Admitted for elective procedure	17.0 %	Cerebrovascular degeneration	3.0 %
Admitted for emergency	42.2 %	Diabetes mellitus	4.6 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City	82.2%	Hospital	5.9 Days
State	17.0%	State	8.0 Days
Outside State	0.8%	National	8.6 Days
Total	100.0%		

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:		SPECIALTY SERVICES:	
Total Beds	78	Burn Unit	No
Occupancy Rate	32.0 %	Cardiac Intensive Care	No
Ownership/Control	Local Government	Comprehensive Geriatric	No
Medicare Discharges	(Not Available)	Hospice Care	No
Case Mix Index (CMI)	1.1331	Medical/Surgical Intensive Care	Yes
STAFFING:		Organ/Tissue Transplant	No
Total Number of Physicians	(Not Available)	Other Intensive Care	No
Percent of Physicians Board Certified Specialists	(Not Available)	Trauma Center	No
		OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Medical Residents/Interns	(Not Available)	Alcohol/Drug	No
Registered Nurses	(Not Available)	Rehabilitation	No
Licensed Practical Nurses	(Not Available)	Psychiatric	No
		Medicare Swing Beds	No

** Except for CMI

* Not used in calculating mortality rates

CLINTON COUNTY HOSPITAL

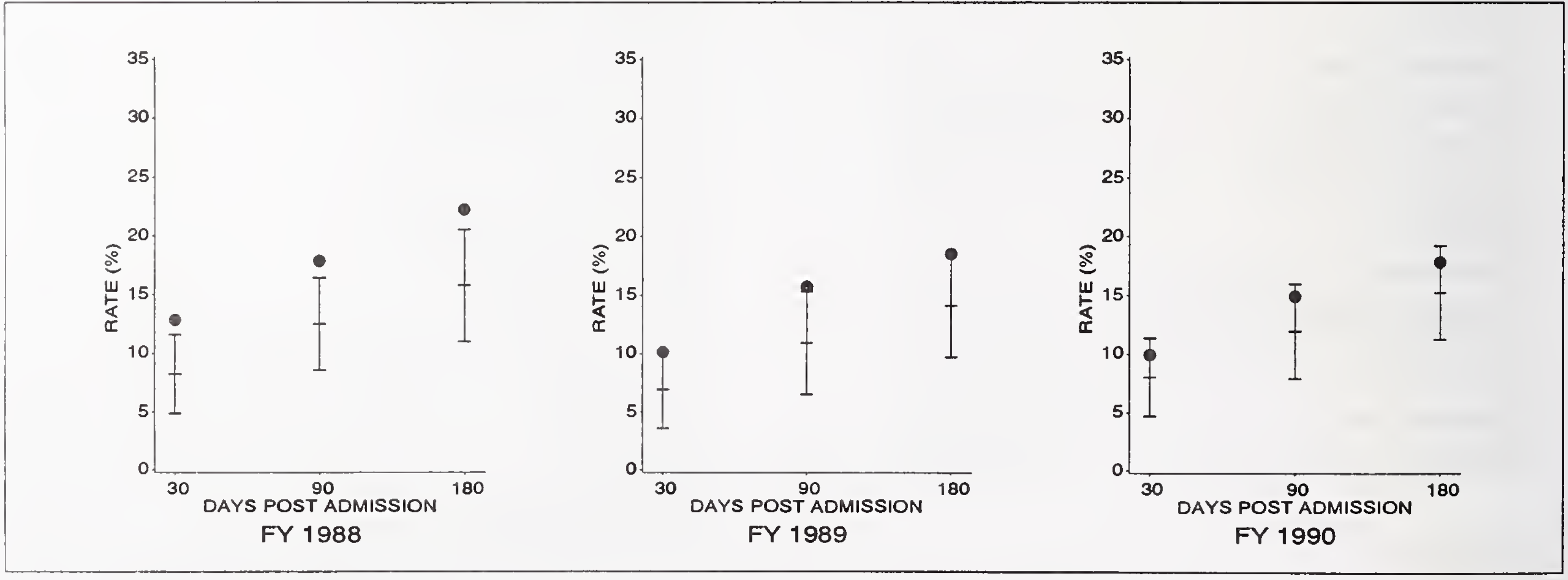
1300 S JACKSON ST
FRANKFORT, IN 46041
Medicare Provider Number: 150043

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	557	9.9	8.0	1.7	14.9	11.9	2.0	17.8	15.2	2.0
CONDITIONS:										
Acute Myocardial Infarction	28	39.3	23.0	-----	39.3	26.4	-----	42.9	29.5	-----
Congestive Heart Failure	50	10.0	15.6	-----	24.0	24.3	-----	32.0	31.0	-----
Pneumonia/Influenza	47	10.6	12.0	-----	14.9	16.5	-----	14.9	19.8	-----
Chronic Obstructive Pulmonary Disease	6	0.0	5.8	-----	16.7	10.0	-----	16.7	13.9	-----
Transient Cerebral Ischemia	11	0.0	1.5	-----	9.1	3.5	-----	9.1	5.9	-----
Stroke	34	23.5	16.2	-----	26.5	21.8	-----	29.4	25.4	-----
Hip Fracture	16	6.3	4.2	-----	12.5	7.9	-----	18.8	10.7	-----
Sepsis	14	14.3	19.7	-----	28.6	26.7	-----	28.6	31.5	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	12.5	4.4	-----	12.5	8.9	-----	12.5	12.7	-----
Open Reduction of Hip Fracture	8	0.0	4.0	-----	12.5	7.8	-----	12.5	10.6	-----
Prostatectomy	10	0.0	0.6	-----	0.0	1.4	-----	0.0	2.5	-----
Cholecystectomy	10	0.0	0.9	-----	0.0	1.6	-----	0.0	2.2	-----
Hysterectomy	2	0.0	0.1	-----	0.0	0.2	-----	0.0	0.3	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

CLINTON COUNTY HOSPITAL

Medicare Provider Number: 150043

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	76.7 years
Proportion female	60.1 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	62.8 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	61.8 %
Admitted for emergency	35.2 %

COMORBIDITIES:

Cancer	5.0 %
Chronic cardiovascular disease	46.1 %
Chronic liver disease	0.5 %
Chronic renal disease	2.5 %
Chronic pulmonary disease	14.2 %
Cerebrovascular degeneration	2.7 %
Diabetes mellitus	8.1 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	93.3%
State	5.4%
Outside State	1.3%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	4.9 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	53
Occupancy Rate	37.0 %
Ownership/Control	Local Government
Medicare Discharges	43.2 %
Case Mix Index (CMI)	1.0852

STAFFING:

Total Number of Physicians	13
Percent of Physicians Board Certified Specialists	76.9 %
Medical Residents/Interns	0
Registered Nurses	50
Licensed Practical Nurses	9

** Except for CMI

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

*** Not used in calculating mortality rates**

COMMUNITY HOSPITAL

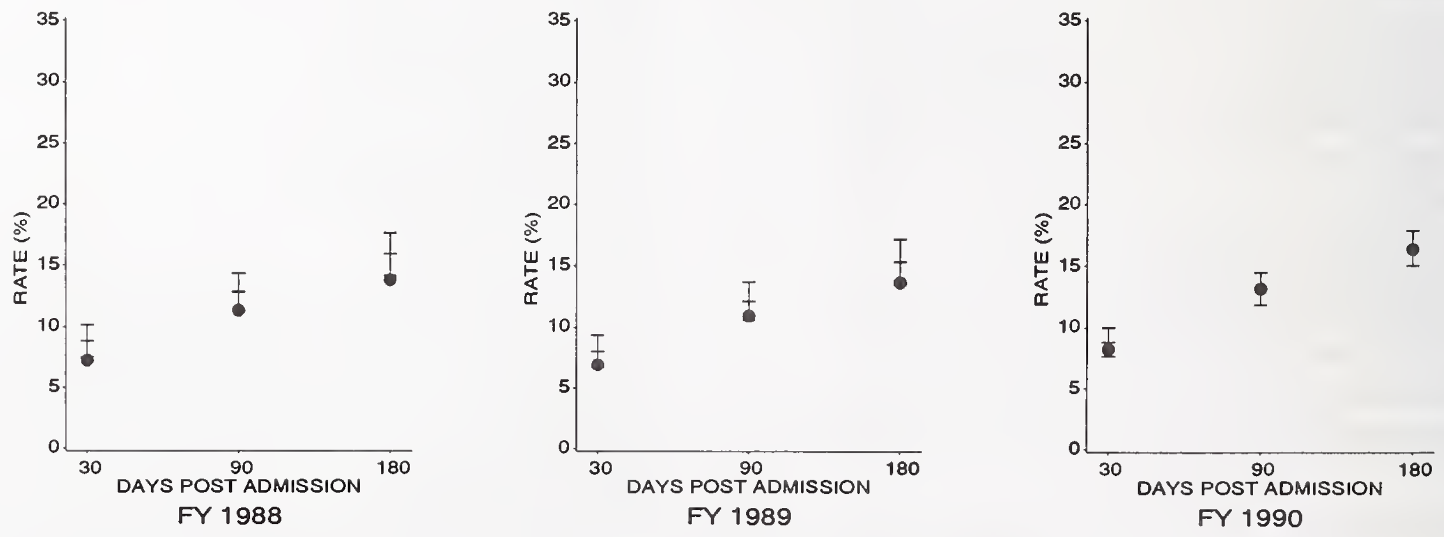
901 MACARTUR BOULEVARD
MUNSTER, IN 46321
Medicare Provider Number: 150125

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD*	90 DAYS OBS	PRED	SD*	180 DAYS OBS	PRED	SD*
ALL CAUSES	2697	8.2	8.8	0.6	13.1	13.1	0.7	16.3	16.4	0.7
CONDITIONS:										
Acute Myocardial Infarction	69	21.7	24.8	5.5	24.6	27.3	5.5	26.1	29.7	5.9
Congestive Heart Failure	176	12.5	14.2	2.9	23.3	22.6	3.3	30.1	28.9	3.5
Pneumonia/Influenza	107	14.0	16.6	6.3	20.6	22.2	6.0	24.3	25.9	6.4
Chronic Obstructive Pulmonary Disease	42	7.1	7.4	-----	7.1	12.8	-----	7.1	16.7	-----
Transient Cerebral Ischemia	79	0.0	1.5	1.8	3.8	3.4	2.5	5.1	5.5	2.8
Stroke	86	20.9	22.7	4.9	27.9	28.7	5.1	31.4	32.2	5.4
Hip Fracture	49	10.2	6.8	-----	16.3	11.8	-----	16.3	15.2	-----
Sepsis	25	28.0	26.3	-----	32.0	32.8	-----	32.0	37.7	-----
PROCEDURES:										
Angioplasty	111	0.9	3.1	2.2	2.7	4.1	2.2	4.5	5.0	2.2
Coronary Artery Bypass Graft	76	7.9	6.4	4.1	11.8	9.0	5.9	14.5	10.0	6.4
Initial Pacemaker Insertion	45	0.0	2.8	-----	0.0	5.5	-----	4.4	7.9	-----
Carotid Endarterectomy	12	0.0	2.2	-----	8.3	4.2	-----	16.7	5.8	-----
Hip Replacement/Reconstruction	34	5.9	2.3	-----	8.8	4.1	-----	8.8	5.4	-----
Open Reduction of Hip Fracture	22	13.6	7.9	-----	18.2	14.5	-----	18.2	19.1	-----
Prostatectomy	105	0.0	0.7	1.0	1.0	1.7	1.4	2.9	3.0	1.7
Cholecystectomy	56	0.0	2.1	2.9	0.0	3.7	4.6	1.8	4.9	4.3
Hysterectomy	36	0.0	0.5	-----	0.0	1.0	-----	0.0	1.6	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

COMMUNITY HOSPITAL

Medicare Provider Number: 150125

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	73.4 years
Proportion female	55.5 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	34.6 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	19.7 %
Admitted for emergency	77.6 %

COMORBIDITIES:

Cancer	8.2 %
Chronic cardiovascular disease	38.4 %
Chronic liver disease	0.9 %
Chronic renal disease	2.1 %
Chronic pulmonary disease	11.0 %
Cerebrovascular degeneration	1.5 %
Diabetes mellitus	6.8 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	76.6%
State	1.5%
Outside State	21.9%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	8.8 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	277
Occupancy Rate	81.0 %
Ownership.Control	Private, Non-Profit
Medicare Discharges	(Not Available)
Case Mix Index (CMI)	1.3685

STAFFING:

Total Number of Physicians	(Not Available)
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	(Not Available)
Registered Nurses	(Not Available)
Licensed Practical Nurses	(Not Available)

** Except for CMI

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

*** Not used in calculating mortality rates**

COMMUNITY HOSPITAL ASSOCIATION INC

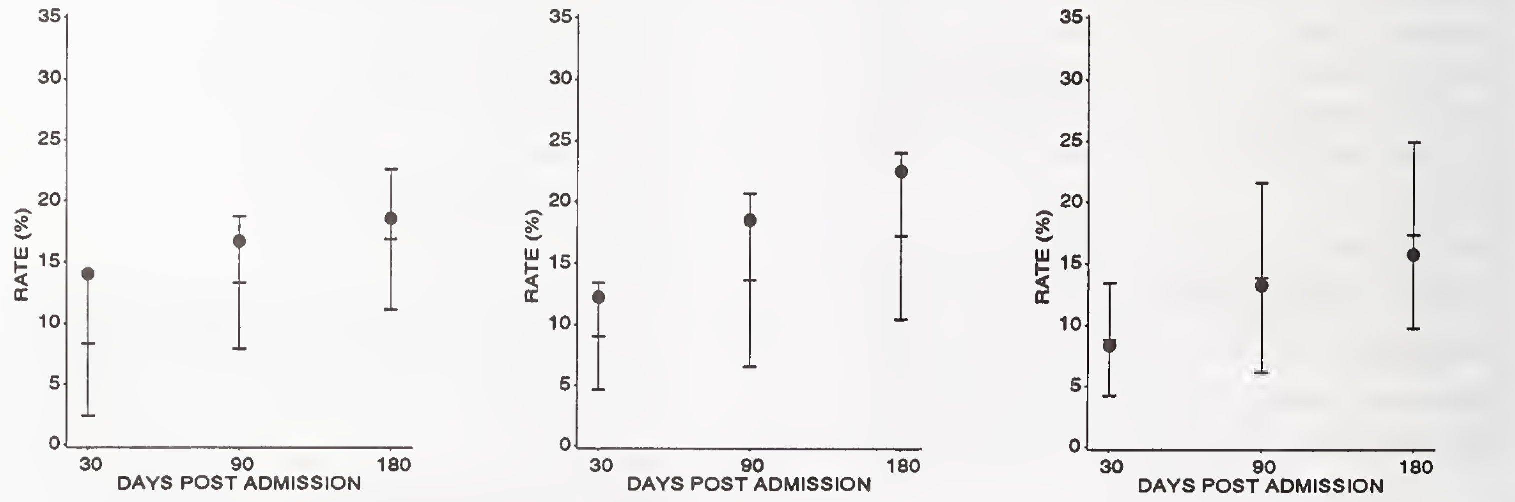
412 N MONROE ST
WILLIAMSPORT, IN 47993
Medicare Provider Number: 150103

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	242	8.3	8.8	2.3	13.2	13.8	3.9	15.7	17.3	3.8
CONDITIONS:										
Acute Myocardial Infarction	1	0.0	21.2	-----	0.0	22.6	-----	0.0	23.8	-----
Congestive Heart Failure	18	5.6	16.4	-----	5.6	26.4	-----	11.1	33.0	-----
Pneumonia/Influenza	28	3.6	10.5	-----	7.1	14.3	-----	7.1	17.2	-----
Chronic Obstructive Pulmonary Disease	4	0.0	5.3	-----	0.0	9.1	-----	0.0	12.8	-----
Transient Cerebral Ischemia	3	33.3	1.2	-----	33.3	2.7	-----	33.3	4.4	-----
Stroke	9	44.4	18.9	-----	44.4	27.6	-----	44.4	32.7	-----
Hip Fracture	9	0.0	5.1	-----	11.1	9.2	-----	11.1	12.3	-----
Sepsis	7	0.0	39.5	-----	0.0	48.7	-----	28.6	54.1	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	3.7	-----	0.0	7.3	-----	0.0	10.0	-----
Open Reduction of Hip Fracture	5	0.0	5.4	-----	20.0	9.8	-----	20.0	13.1	-----
Prostatectomy	5	0.0	0.7	-----	0.0	1.6	-----	0.0	2.8	-----
Cholecystectomy	5	0.0	7.2	-----	0.0	13.6	-----	0.0	17.5	-----
Hysterectomy	0									

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

COMMUNITY HOSPITAL ASSOCIATION INC

Medicare Provider Number: 150103

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	77.3 years
Proportion female	64.5 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	99.6 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	0.0 %
Admitted for emergency	0.0 %

COMORBIDITIES:	
Cancer	4.5 %
Chronic cardiovascular disease	35.1 %
Chronic liver disease	0.8 %
Chronic renal disease	2.5 %
Chronic pulmonary disease	18.2 %
Cerebrovascular degeneration	0.4 %
Diabetes mellitus	7.4 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	34.3%
State	63.4%
Outside State	2.3%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	4.1 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	35
Occupancy Rate	37.0 %
Ownership.Control	Private, Non-Profit
Medicare Discharges	48.3 %
Case Mix Index (CMI)	1.1212
STAFFING:	
Total Number of Physicians	31
Percent of Physicians Board Certified Specialists	90.3 %
Medical Residents/Interns	0
Registered Nurses	21
Licensed Practical Nurses	8

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	Yes

** Except for CMI

*** Not used in calculating mortality rates**

COMMUNITY HOSPITAL INDIANAPOLIS

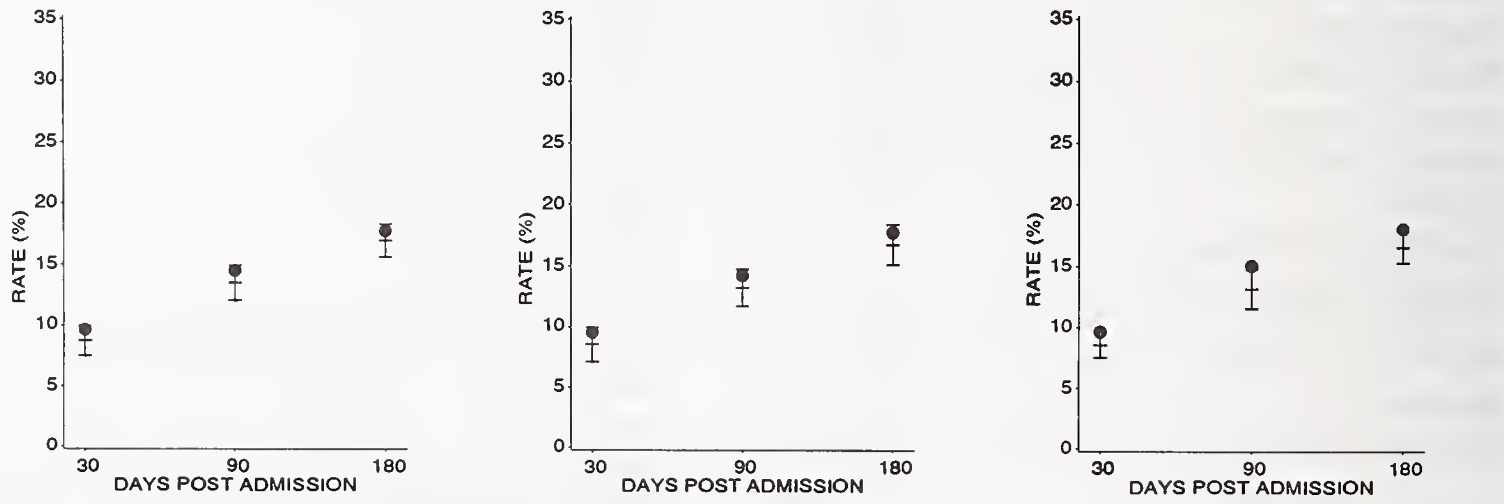
1500 RITTER AVE
INDIANAPOLIS, IN 46219
Medicare Provider Number: 150074

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	5616	9.6	8.5	0.5	15.0	13.1	0.8	18.0	16.5	0.6
CONDITIONS:										
Acute Myocardial Infarction	169	19.5	22.2	3.9	24.3	25.1	3.9	24.9	27.6	4.4
Congestive Heart Failure	267	17.2	12.8	4.4	23.6	20.8	3.9	28.5	26.8	3.4
Pneumonia/Influenza	271	18.5	14.8	3.9	25.5	20.7	4.7	29.2	24.6	4.4
Chronic Obstructive Pulmonary Disease	111	8.1	6.4	2.8	10.8	11.4	3.1	15.3	15.4	3.5
Transient Cerebral Ischemia	63	1.6	1.7	2.4	6.3	3.8	3.6	7.9	6.1	3.8
Stroke	214	16.8	17.8	2.7	22.4	23.7	3.1	25.7	27.2	3.3
Hip Fracture	167	6.0	5.5	2.0	12.0	10.1	3.1	14.4	13.5	3.3
Sepsis	67	23.9	22.6	6.3	35.8	30.9	7.9	40.3	35.7	7.4
PROCEDURES:										
Angioplasty	102	2.0	3.9	2.4	6.9	5.0	3.2	7.8	6.0	2.8
Coronary Artery Bypass Graft	86	11.6	6.6	4.3	14.0	9.2	4.5	15.1	10.2	4.9
Initial Pacemaker Insertion	28	0.0	3.0	-----	10.7	6.3	-----	17.9	9.5	-----
Carotid Endarterectomy	18	5.6	1.5	-----	5.6	2.7	-----	5.6	4.0	-----
Hip Replacement/Reconstruction	120	1.7	2.7	2.4	4.2	5.2	3.0	6.7	7.2	2.8
Open Reduction of Hip Fracture	95	6.3	5.0	2.5	13.7	9.4	5.0	15.8	12.8	6.3
Prostatectomy	101	1.0	1.0	1.6	3.0	2.3	2.1	5.9	4.0	2.7
Cholecystectomy	162	3.7	2.3	1.8	6.2	4.3	2.3	7.4	5.8	2.3
Hysterectomy	46	0.0	0.5	-----	0.0	1.2	-----	2.2	1.9	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988 FY 1989 FY 1990

COMMUNITY HOSPITAL INDIANAPOLIS

Medicare Provider Number: 150074

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	73.0 years
Proportion female	59.2 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	98.4 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	17.8 %
Admitted for emergency	78.1 %

COMORBIDITIES:

Cancer	7.8 %
Chronic cardiovascular disease	33.0 %
Chronic liver disease	1.0 %
Chronic renal disease	3.7 %
Chronic pulmonary disease	18.0 %
Cerebrovascular degeneration	4.6 %
Diabetes mellitus	8.9 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	77.4%
State	20.3%
Outside State	2.3%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	8.9 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	822
Occupancy Rate	(Not Available)
Ownership.Control	Private, Non-Profit
Medicare Discharges	(Not Available)
Case Mix Index (CMI)	1.4078

STAFFING:

Total Number of Physicians	498
Percent of Physicians Board Certified Specialists	66.5 %
Medical Residents/Interns	20
Registered Nurses	897
Licensed Practical Nurses	119

** Except for CMI

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	Yes
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	Yes
Psychiatric	Yes
Medicare Swing Beds	No

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* Not used in calculating mortality rates

COMMUNITY HOSPITAL OF ANDERSON

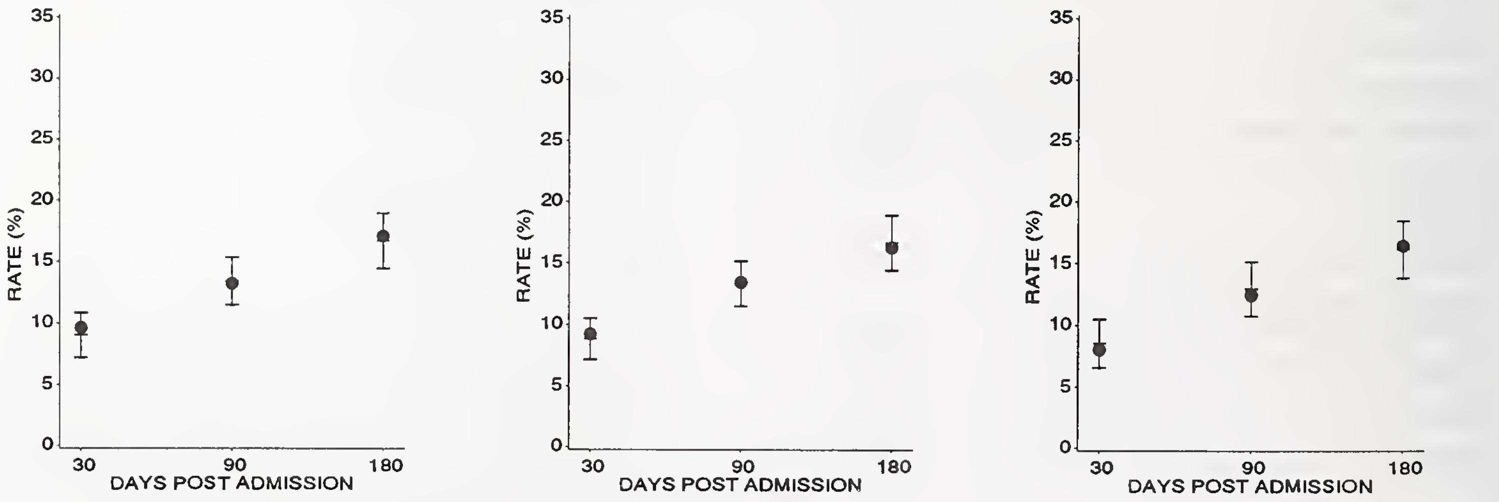
1515 N MADISON AV
ANDERSON, IN 46012
Medicare Provider Number: 150113

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	1319	8.0	8.5	1.0	12.4	12.9	1.1	16.4	16.1	1.2
CONDITIONS:										
Acute Myocardial Infarction	34	14.7	25.7	-----	23.5	28.9	-----	23.5	31.6	-----
Congestive Heart Failure	82	12.2	13.5	4.3	20.7	21.6	5.3	34.1	27.7	7.3
Pneumonia/Influenza	60	21.7	17.5	7.9	31.7	24.1	9.5	36.7	28.4	9.8
Chronic Obstructive Pulmonary Disease	37	5.4	8.4	-----	8.1	14.8	-----	10.8	19.6	-----
Transient Cerebral Ischemia	23	0.0	1.9	-----	0.0	4.4	-----	4.3	7.2	-----
Stroke	62	19.4	18.4	4.9	21.0	24.5	5.7	24.2	28.1	6.0
Hip Fracture	32	15.6	7.3	-----	15.6	12.9	-----	28.1	16.8	-----
Sepsis	16	6.3	28.5	-----	31.3	36.6	-----	37.5	41.3	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	3.6	-----	30.0	7.7	-----	30.0	11.4	-----
Carotid Endarterectomy	10	0.0	1.0	-----	0.0	1.9	-----	0.0	2.9	-----
Hip Replacement/Reconstruction	28	3.6	3.2	-----	3.6	6.1	-----	7.1	8.3	-----
Open Reduction of Hip Fracture	13	7.7	4.4	-----	7.7	7.7	-----	7.7	10.2	-----
Prostatectomy	33	0.0	0.7	-----	0.0	1.5	-----	0.0	2.6	-----
Cholecystectomy	32	3.1	2.5	-----	9.4	4.6	-----	12.5	6.0	-----
Hysterectomy	16	0.0	0.9	-----	0.0	2.2	-----	0.0	3.5	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

COMMUNITY HOSPITAL OF ANDERSON

Medicare Provider Number: 150113

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	74.0 years
Proportion female	58.3 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	40.1 %
Transferred from skilled nursing facility	0.2 %
Admitted for elective procedure	16.8 %
Admitted for emergency	44.3 %

COMORBIDITIES:	
Cancer	6.9 %
Chronic cardiovascular disease	35.5 %
Chronic liver disease	0.5 %
Chronic renal disease	1.1 %
Chronic pulmonary disease	13.4 %
Cerebrovascular degeneration	6.0 %
Diabetes mellitus	8.3 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	89.0%
State	9.1%
Outside State	1.9%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	7.0 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	207
Occupancy Rate	51.0 %
Ownership.Control	Private, Non-Profit
Medicare Discharges	40.3 %
Case Mix Index (CMI)	1.1566
STAFFING:	
Total Number of Physicians	85
Percent of Physicians Board Certified Specialists	68.2 %
Medical Residents/Interns	0
Registered Nurses	142
Licensed Practical Nurses	28

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	No
Rehabilitation	No
Psychiatric	Yes
Medicare Swing Beds	Yes

** Except for CMI

*** Not used in calculating mortality rates**

COMMUNITY HOSPITAL OF BREMEN

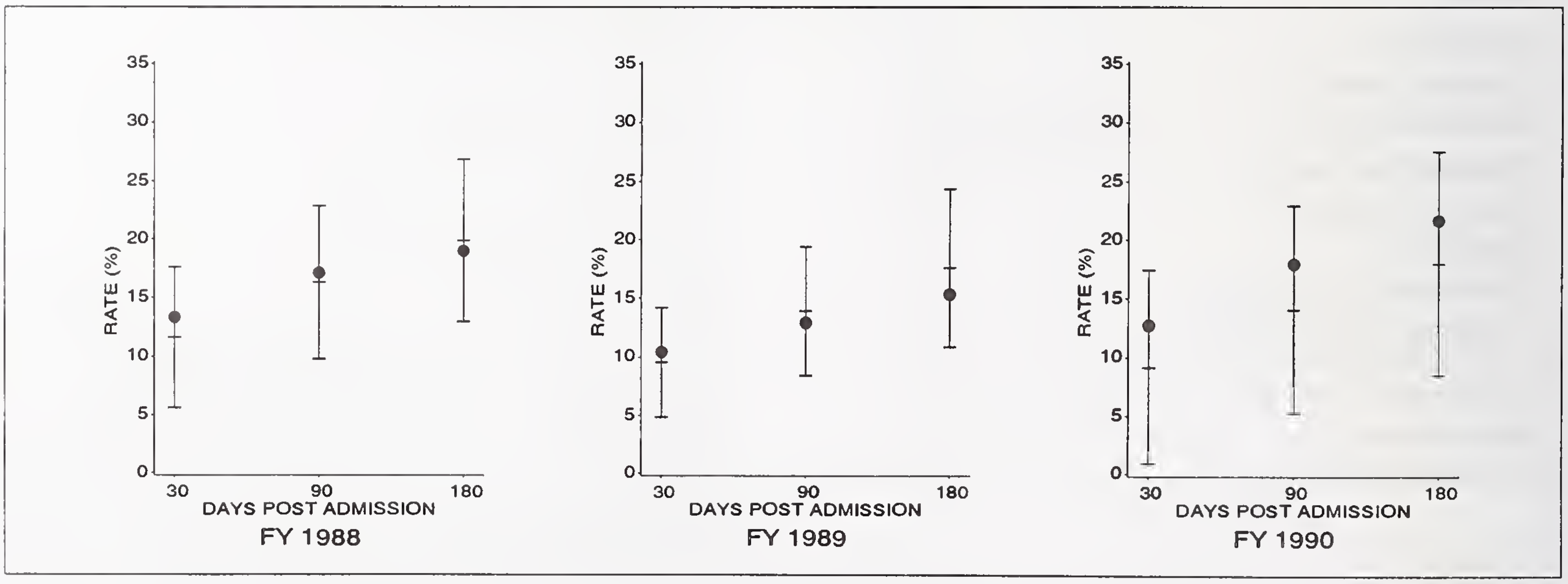
411 SOUTH WHITLOCK STREET
BREMEN, IN 46506
Medicare Provider Number: 150110

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	134	12.7	9.1	4.2	17.9	14.0	4.4	21.6	17.9	4.8
CONDITIONS:										
Acute Myocardial Infarction	3	33.3	41.9	-----	100.0	45.7	-----	100.0	49.8	-----
Congestive Heart Failure	12	8.3	15.1	-----	8.3	23.3	-----	16.7	29.5	-----
Pneumonia/Influenza	15	20.0	15.3	-----	20.0	21.6	-----	20.0	25.5	-----
Chronic Obstructive Pulmonary Disease	4	0.0	8.1	-----	25.0	14.4	-----	25.0	18.9	-----
Transient Cerebral Ischemia	1	0.0	1.3	-----	0.0	2.7	-----	0.0	3.8	-----
Stroke	8	12.5	20.5	-----	25.0	26.8	-----	25.0	30.6	-----
Hip Fracture	1	0.0	2.8	-----	0.0	5.2	-----	0.0	6.7	-----
Sepsis	1	0.0	16.9	-----	0.0	21.5	-----	0.0	27.5	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* The Standard Deviation (SD) is not calculated if the number of deaths or cases Is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



COMMUNITY HOSPITAL OF BREMEN

Medicare Provider Number: 150110

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	77.7 years
Proportion female	64.9 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	95.5 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	36.6 %
Admitted for emergency	59.7 %

COMORBIDITIES:

Cancer	6.7 %
Chronic cardiovascular disease	45.5 %
Chronic liver disease	0.0 %
Chronic renal disease	2.2 %
Chronic pulmonary disease	9.0 %
Cerebrovascular degeneration	8.2 %
Diabetes mellitus	6.0 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	82.5%
State	15.7%
Outside State	1.8%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	4.8 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	28
Occupancy Rate	25.0 %
Ownership.Control	Private, Non-Profit
Medicare Discharges	38.2 %
Case Mix Index (CMI)	0.9094

STAFFING:

Total Number of Physicians	6
Percent of Physicians Board Certified Specialists	100.0 %
Medical Residents/Interns	0
Registered Nurses	14
Licensed Practical Nurses	8

** Except for CMI

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	Yes

*** Not used in calculating mortality rates**

COMMUNITY HOSPITAL SOUTH INC

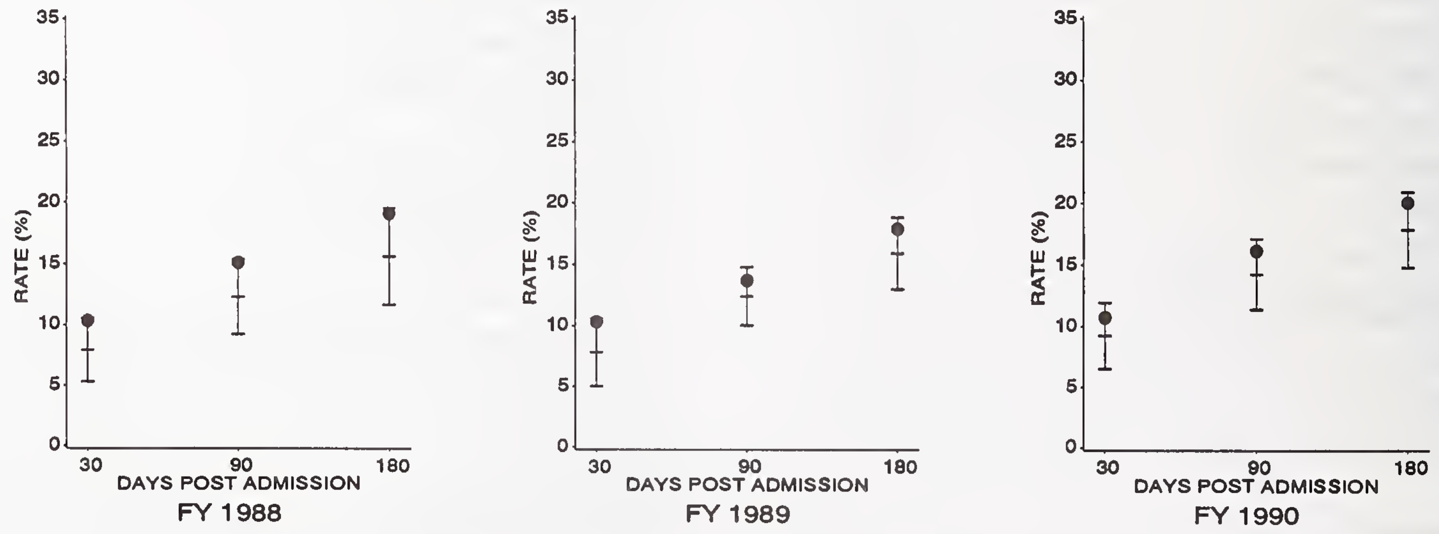
1402 E COUNTY LINE RD SOUTH
INDIANAPOLIS, IN 46247
Medicare Provider Number: 150128

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	1056	10.7	9.2	1.4	16.1	14.2	1.4	20.0	17.8	1.5
CONDITIONS:										
Acute Myocardial Infarction	28	32.1	24.9	-----	35.7	27.9	-----	35.7	30.6	-----
Congestive Heart Failure	69	13.0	15.1	5.1	23.2	24.4	5.9	29.0	31.1	6.6
Pneumonia/Influenza	63	19.0	14.6	9.4	28.6	20.5	9.0	33.3	24.3	9.4
Chronic Obstructive Pulmonary Disease	30	10.0	5.8	-----	13.3	10.9	-----	16.7	14.9	-----
Transient Cerebral Ischemia	8	0.0	1.3	-----	0.0	3.1	-----	0.0	5.2	-----
Stroke	51	31.4	17.2	8.7	37.3	24.5	8.8	43.1	28.7	9.4
Hip Fracture	28	7.1	4.8	-----	14.3	8.9	-----	14.3	12.2	-----
Sepsis	7	28.6	29.9	-----	42.9	41.1	-----	42.9	46.8	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	3.2	-----	0.0	6.4	-----	0.0	10.0	-----
Carotid Endarterectomy	2	0.0	1.4	-----	0.0	2.4	-----	0.0	3.3	-----
Hip Replacement/Reconstruction	13	7.7	3.9	-----	23.1	7.2	-----	23.1	10.0	-----
Open Reduction of Hip Fracture	10	10.0	4.0	-----	10.0	7.7	-----	10.0	11.0	-----
Prostatectomy	27	0.0	0.8	-----	0.0	1.9	-----	0.0	3.3	-----
Cholecystectomy	27	0.0	2.8	-----	0.0	4.8	-----	3.7	6.1	-----
Hysterectomy	13	0.0	0.1	-----	7.7	0.3	-----	7.7	0.6	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

COMMUNITY HOSPITAL SOUTH INC

Medicare Provider Number: 150128

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	75.9 years
Proportion female	62.8 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	98.1 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	15.0 %
Admitted for emergency	63.4 %

COMORBIDITIES:

Cancer	6.1 %
Chronic cardiovascular disease	29.8 %
Chronic liver disease	1.4 %
Chronic renal disease	4.2 %
Chronic pulmonary disease	16.4 %
Cerebrovascular degeneration	6.9 %
Diabetes mellitus	6.8 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	56.0%
State	41.5%
Outside State	2.5%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	8.3 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: Health Care Financing Administration (OSCAR)** - Survey Year 1990

PROFILE:

Total Beds	150
Ownership.Control	Private, Non-Profit
Case Mix Index (CMI)	1.1601

STAFFING:

Medical Residents/Interns	0
Registered Nurses	111
Licensed Practical Nurses	12

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	Yes
Hospice Care	No
Intensive Care Unit	Yes
Organ Transplant	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

** Except for CMI

* Not used in calculating mortality rates

DAVIESS COUNTY HOSPITAL

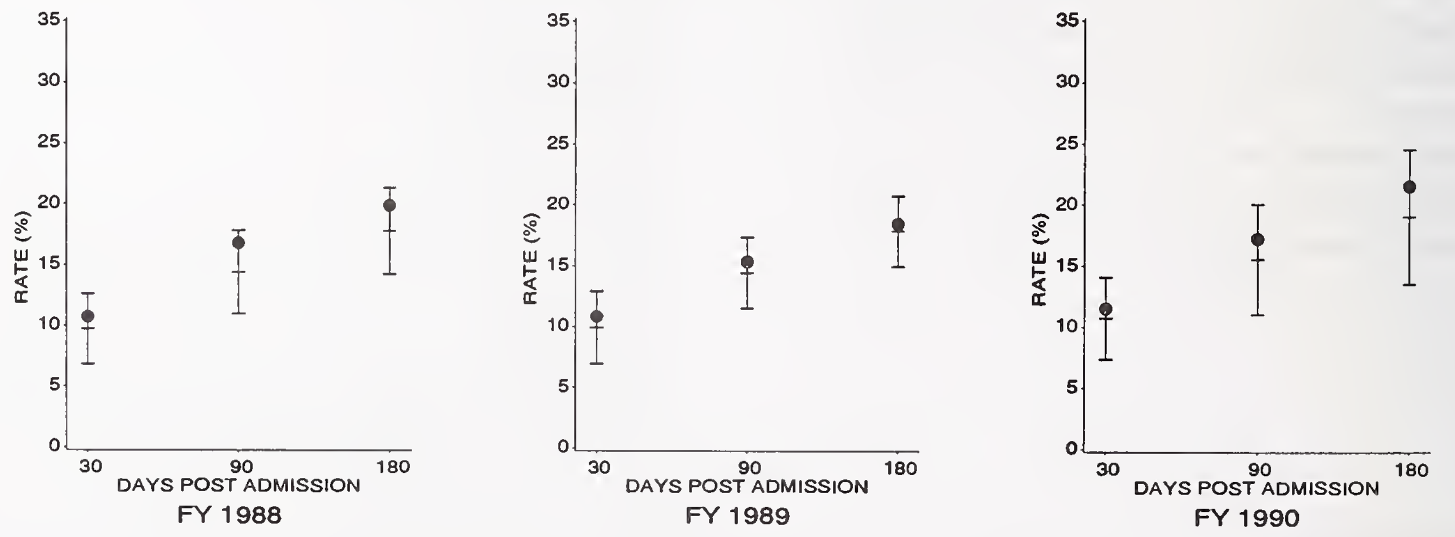
1314 GRAND AVE
WASHINGTON, IN 47501
Medicare Provider Number: 150061

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD*	90 DAYS OBS	90 DAYS PRED	90 DAYS SD*	180 DAYS OBS	180 DAYS PRED	180 DAYS SD*
ALL CAUSES	791	11.5	10.7	1.7	17.2	15.5	2.3	21.5	19.0	2.8
CONDITIONS:										
Acute Myocardial Infarction	40	25.0	22.1	-----	32.5	25.9	-----	35.0	28.8	-----
Congestive Heart Failure	56	25.0	15.7	6.1	39.3	24.7	7.7	48.2	31.5	9.3
Pneumonia/Influenza	86	11.6	15.8	6.2	15.1	21.5	8.1	22.1	25.1	8.6
Chronic Obstructive Pulmonary Disease	14	7.1	10.1	-----	7.1	15.9	-----	7.1	19.9	-----
Transient Cerebral Ischemia	21	0.0	1.7	-----	0.0	4.0	-----	4.8	6.5	-----
Stroke	34	32.4	21.7	-----	35.3	27.7	-----	38.2	31.6	-----
Hip Fracture	27	11.1	8.5	-----	14.8	15.0	-----	25.9	19.6	-----
Sepsis	7	57.1	27.7	-----	57.1	32.5	-----	57.1	36.4	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	6.2	-----	0.0	12.1	-----	0.0	18.0	-----
Carotid Endarterectomy	3	0.0	1.6	-----	33.3	3.1	-----	33.3	4.9	-----
Hip Replacement/Reconstruction	21	14.3	5.6	-----	19.0	10.2	-----	23.8	13.4	-----
Open Reduction of Hip Fracture	12	0.0	6.9	-----	0.0	12.8	-----	16.7	17.2	-----
Prostatectomy	23	0.0	1.0	-----	17.4	2.4	-----	17.4	4.3	-----
Cholecystectomy	20	0.0	2.9	-----	0.0	4.9	-----	10.0	6.4	-----
Hysterectomy	1	0.0	4.9	-----	0.0	7.2	-----	0.0	10.1	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



DAVIESS COUNTY HOSPITAL

Medicare Provider Number: 150061

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	76.1 years
Proportion female	59.0 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	29.2 %
Transferred from skilled nursing facility	0.4 %
Admitted for elective procedure	7.6 %
Admitted for emergency	74.5 %

COMORBIDITIES:

Cancer	6.3 %
Chronic cardiovascular disease	34.0 %
Chronic liver disease	0.9 %
Chronic renal disease	3.3 %
Chronic pulmonary disease	17.8 %
Cerebrovascular degeneration	3.7 %
Diabetes mellitus	7.1 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	77.9%
State	20.3%
Outside State	1.8%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	7.0 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1989

PROFILE:

Total Beds	136
Occupancy Rate	44.0 %
Ownership/Control	Local Government
Medicare Discharges	38.2 %
Case Mix Index (CMI)	1.1711

STAFFING:

Total Number of Physicians	24
Percent of Physicians Board Certified Specialists	62.5 %
Medical Residents/Interns	0
Registered Nurses	57
Licensed Practical Nurses	4

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	Yes

** Except for CMI

Not used in calculating mortality rates

DEACONESS HOSPITAL INC

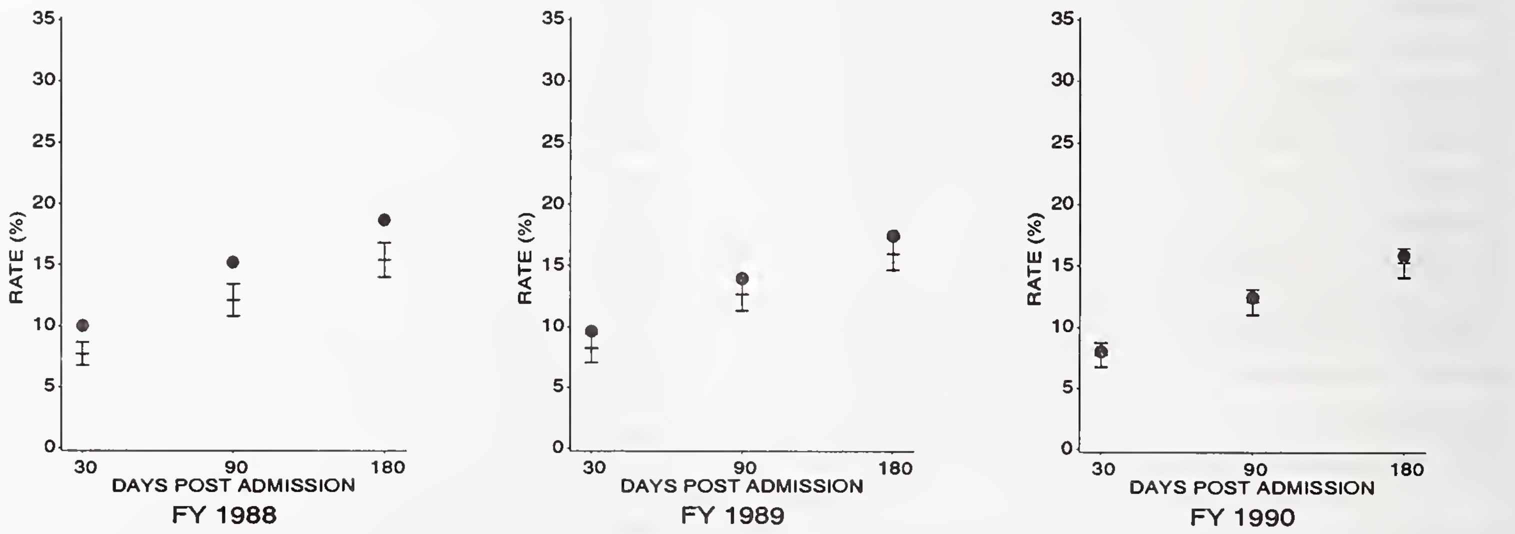
600 MARY STREET
EVANSVILLE, IN 47710
Medicare Provider Number: 150082

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	4394	8.0	7.7	0.5	12.4	12.0	0.5	15.8	15.2	0.6
CONDITIONS:										
Acute Myocardial Infarction	130	26.2	24.6	4.8	29.2	27.4	4.4	30.0	30.1	4.1
Congestive Heart Failure	195	19.0	14.2	3.3	28.2	22.6	3.9	35.4	28.9	4.4
Pneumonia/Influenza	188	15.4	14.1	2.8	18.6	19.4	3.0	23.4	23.0	3.1
Chronic Obstructive Pulmonary Disease	81	2.5	4.6	3.0	8.6	9.3	3.4	9.9	13.4	4.8
Transient Cerebral Ischemia	83	2.4	1.5	1.6	3.6	3.5	2.2	6.0	5.8	3.3
Stroke	124	13.7	16.8	6.2	17.7	22.8	7.6	22.6	26.3	7.5
Hip Fracture	94	10.6	6.7	4.4	16.0	11.6	6.5	21.3	15.0	7.7
Sepsis	75	25.3	22.1	5.2	33.3	28.9	5.7	42.7	33.3	7.4
PROCEDURES:										
Angioplasty	97	3.1	3.0	1.8	5.2	3.8	2.3	5.2	4.6	2.3
Coronary Artery Bypass Graft	114	5.3	4.2	2.1	7.9	6.2	3.0	7.9	7.2	2.7
Initial Pacemaker Insertion	31	0.0	3.1	-----	0.0	6.4	-----	6.5	9.6	-----
Carotid Endarterectomy	47	0.0	1.7	-----	0.0	3.0	-----	4.3	4.3	-----
Hip Replacement/Reconstruction	64	6.3	2.7	4.4	9.4	4.9	4.7	9.4	6.7	5.5
Open Reduction of Hip Fracture	42	4.8	6.2	-----	9.5	11.1	-----	16.7	14.5	-----
Prostatectomy	111	0.0	1.4	1.5	0.0	3.1	2.6	0.9	5.3	3.2
Cholecystectomy	93	3.2	3.7	2.6	3.2	7.1	4.4	6.5	9.7	4.5
Hysterectomy	26	0.0	0.4	-----	0.0	0.9	-----	0.0	1.5	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

DEACONESS HOSPITAL INC

Medicare Provider Number: 150082

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	73.6 years
Proportion female	55.0 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	36.6 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	36.6 %
Admitted for emergency	0.0 %

COMORBIDITIES:	
Cancer	7.5 %
Chronic cardiovascular disease	39.1 %
Chronic liver disease	1.1 %
Chronic renal disease	2.7 %
Chronic pulmonary disease	17.1 %
Cerebrovascular degeneration	3.6 %
Diabetes mellitus	8.1 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	58.2%
State	24.6%
Outside State	17.2%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	7.8 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	590
Occupancy Rate	54.0 %
Ownership.Control	Private, Non-Profit
Medicare Discharges	42.4 %
Case Mix Index (CMI)	1.3651
STAFFING:	
Total Number of Physicians	158
Percent of Physicians Board Certified Specialists	90.5 %
Medical Residents/Interns	10
Registered Nurses	483
Licensed Practical Nurses	22

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	Yes
Rehabilitation	Yes
Psychiatric	Yes
Medicare Swing Beds	No

** Except for CMI

* Not used in calculating mortality rates

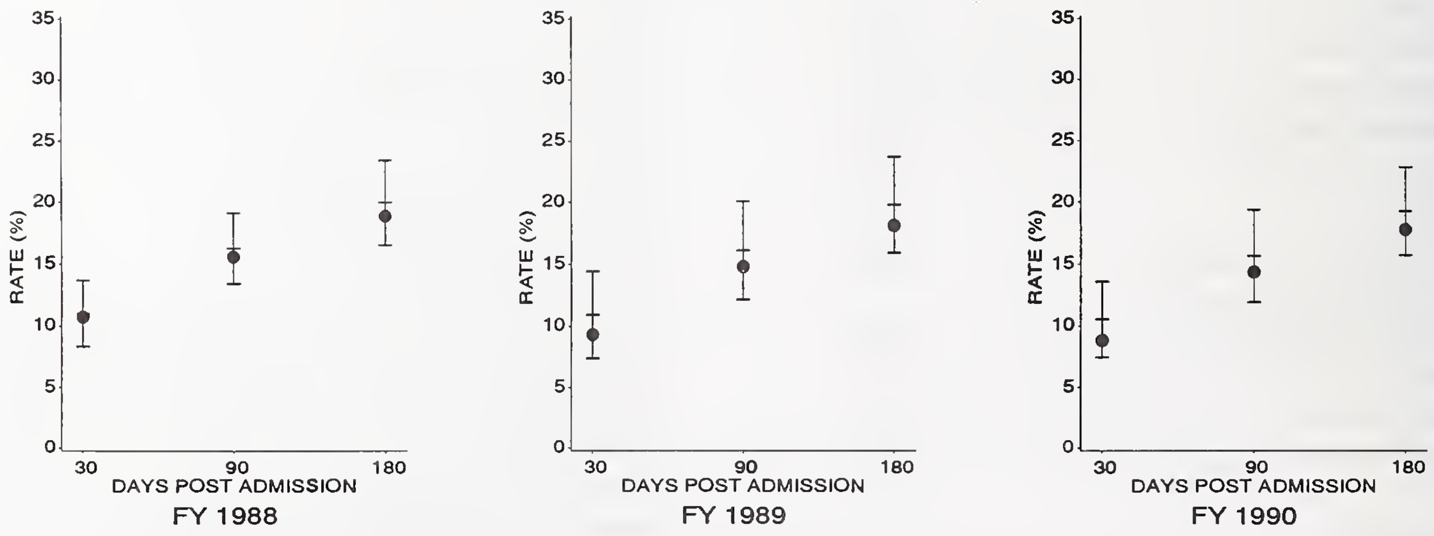
DEARBORN COUNTY HOSPITAL
600 WILSON CREEK RD
LAWRENCEBURG, IN 47025
Medicare Provider Number: 150086

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	1037	8.8	10.5	1.5	14.3	15.6	1.9	17.7	19.2	1.8
CONDITIONS:										
Acute Myocardial Infarction	27	14.8	25.7	-----	22.2	28.1	-----	22.2	30.7	-----
Congestive Heart Failure	70	10.0	14.0	5.3	18.6	22.4	6.8	25.7	28.6	8.3
Pneumonia/Influenza	93	11.8	17.6	6.0	20.4	23.9	5.1	24.7	27.8	5.0
Chronic Obstructive Pulmonary Disease	19	0.0	6.2	-----	5.3	11.0	-----	5.3	15.1	-----
Transient Cerebral Ischemia	13	0.0	1.7	-----	0.0	3.9	-----	0.0	6.2	-----
Stroke	45	13.3	21.7	-----	17.8	28.6	-----	22.2	32.5	-----
Hip Fracture	32	6.3	6.3	-----	6.3	10.9	-----	12.5	14.3	-----
Sepsis	14	28.6	23.2	-----	35.7	30.9	-----	35.7	34.7	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	6.8	-----	0.0	10.9	-----	0.0	14.1	-----
Carotid Endarterectomy	2	0.0	2.4	-----	0.0	4.2	-----	0.0	6.0	-----
Hip Replacement/Reconstruction	24	4.2	4.6	-----	4.2	8.5	-----	16.7	11.5	-----
Open Reduction of Hip Fracture	7	0.0	4.4	-----	0.0	7.9	-----	0.0	10.9	-----
Prostatectomy	48	2.1	0.8	-----	4.2	2.0	-----	4.2	3.6	-----
Cholecystectomy	23	0.0	2.6	-----	0.0	4.6	-----	4.3	5.8	-----
Hysterectomy	12	0.0	0.8	-----	0.0	1.9	-----	0.0	3.1	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988 FY 1989 FY 1990

DEARBORN COUNTY HOSPITAL

Medicare Provider Number: 150086

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	75.6 years
Proportion female	57.2 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	33.9 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	20.2 %
Admitted for emergency	73.2 %

COMORBIDITIES:

Cancer	7.6 %
Chronic cardiovascular disease	37.8 %
Chronic liver disease	1.0 %
Chronic renal disease	2.6 %
Chronic pulmonary disease	23.9 %
Cerebrovascular degeneration	3.7 %
Diabetes mellitus	8.5 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	64.6%
State	30.0%
Outside State	5.4%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	8.0 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	102
Occupancy Rate	50.0 %
Ownership/Control	Local Government
Medicare Discharges	48.8 %
Case Mix Index (CMI)	1.1853

STAFFING:

Total Number of Physicians	38
Percent of Physicians Board Certified Specialists	71.1 %
Medical Residents/Interns	0
Registered Nurses	96
Licensed Practical Nurses	29

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

** Except for CMI

*** Not used in calculating mortality rates**

DECATUR COUNTY MEMORIAL HOSPITAL

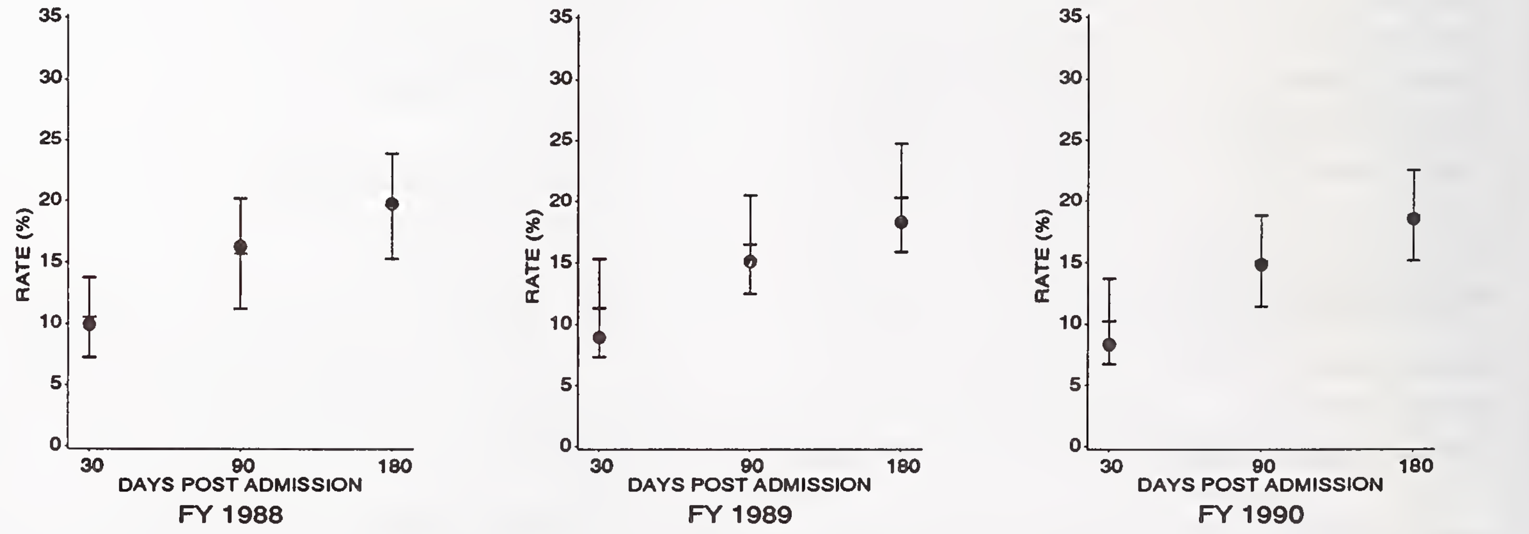
720 NORTH LINCOLN STREET
GREENSBURG, IN 47240
Medicare Provider Number: 150062

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	481	8.3	10.2	1.7	14.8	15.1	1.9	18.5	18.8	1.9
CONDITIONS:										
Acute Myocardial Infarction	21	23.8	28.8	-----	28.6	31.5	-----	28.6	34.4	-----
Congestive Heart Failure	45	15.6	14.0	-----	24.4	22.0	-----	35.6	28.0	-----
Pneumonia/Influenza	37	0.0	13.5	-----	13.5	18.8	-----	16.2	22.3	-----
Chronic Obstructive Pulmonary Disease	14	7.1	4.0	-----	14.3	7.9	-----	14.3	11.2	-----
Transient Cerebral Ischemia	15	0.0	1.8	-----	0.0	4.1	-----	6.7	6.9	-----
Stroke	21	14.3	21.5	-----	33.3	28.3	-----	38.1	32.8	-----
Hip Fracture	7	0.0	6.1	-----	0.0	11.1	-----	14.3	14.8	-----
Sepsis	2	0.0	34.9	-----	50.0	42.4	-----	50.0	49.7	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	3.4	-----	0.0	6.5	-----	50.0	9.6	-----
Open Reduction of Hip Fracture	5	0.0	4.2	-----	0.0	8.5	-----	0.0	11.6	-----
Prostatectomy	12	0.0	1.4	-----	8.3	3.9	-----	8.3	7.0	-----
Cholecystectomy	1	0.0	0.7	-----	0.0	1.3	-----	0.0	1.7	-----
Hysterectomy	1	0.0	0.4	-----	0.0	0.7	-----	0.0	0.9	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



DECATUR COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 150062

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	76.9 years
Proportion female	60.7 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	51.6 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	0.0 %
Admitted for emergency	47.0 %

COMORBIDITIES:

Cancer	5.0 %
Chronic cardiovascular disease	38.0 %
Chronic liver disease	0.6 %
Chronic renal disease	1.0 %
Chronic pulmonary disease	18.9 %
Cerebrovascular degeneration	6.4 %
Diabetes mellitus	7.9 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	80.5%
State	17.3%
Outside State	2.2%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	5.8 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	80
Occupancy Rate	43.0 %
Ownership/Control	Local Government
Medicare Discharges	41.4 %
Case Mix Index (CMI)	1.0343

STAFFING:

Total Number of Physicians	16
Percent of Physicians Board Certified Specialists	50.0 %
Medical Residents/Interns	0
Registered Nurses	46
Licensed Practical Nurses	17

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	Yes

** Except for CMI

* Not used in calculating mortality rates

DEKALB MEMORIAL HOSPITAL INC

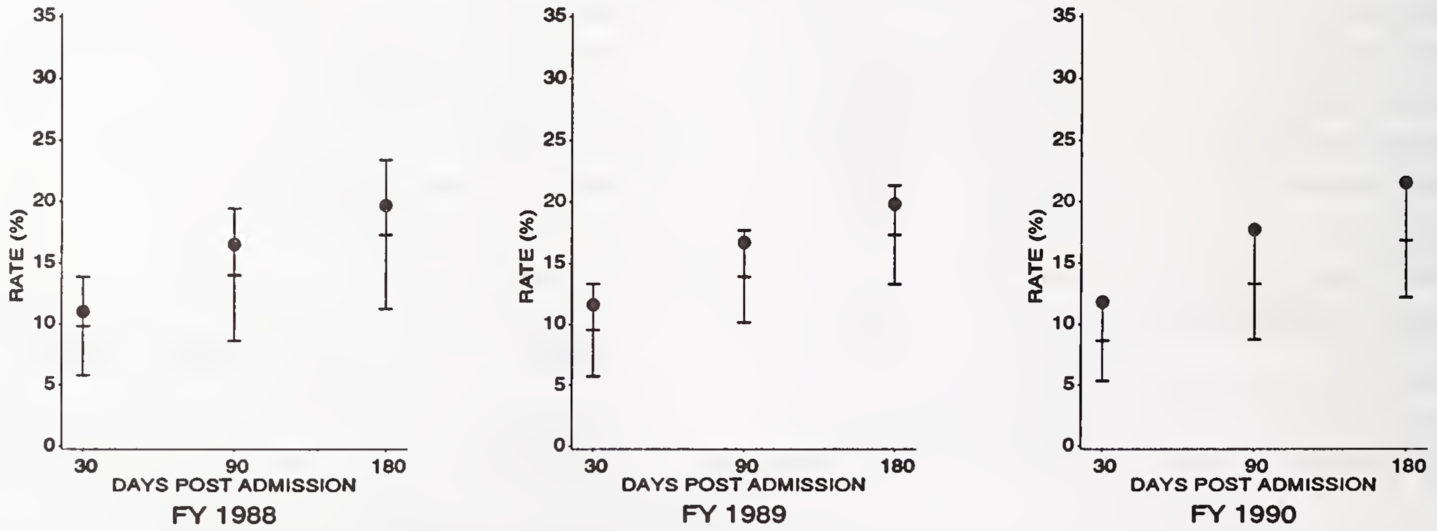
EAST SEVENTH ST
AUBURN, IN 46706
Medicare Provider Number: 150045

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD*	90 DAYS OBS	PRED	SD*	180 DAYS OBS	PRED	SD*
ALL CAUSES	526	11.8	8.6	1.7	17.7	13.3	2.3	21.5	16.8	2.3
CONDITIONS:										
Acute Myocardial Infarction	20	15.0	24.2	-----	15.0	28.1	-----	15.0	31.2	-----
Congestive Heart Failure	54	22.2	14.7	6.2	44.4	23.4	11.0	53.7	30.0	10.8
Pneumonia/Influenza	29	17.2	13.3	-----	17.2	18.2	-----	27.6	21.7	-----
Chronic Obstructive Pulmonary Disease	7	0.0	4.5	-----	0.0	9.2	-----	0.0	12.9	-----
Transient Cerebral Ischemia	6	0.0	1.1	-----	0.0	2.6	-----	0.0	4.4	-----
Stroke	16	18.8	17.1	-----	18.8	22.3	-----	25.0	26.1	-----
Hip Fracture	12	16.7	6.0	-----	16.7	10.7	-----	33.3	14.1	-----
Sepsis	4	50.0	24.9	-----	50.0	30.0	-----	50.0	34.1	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	6	0.0	0.8	-----	0.0	1.5	-----	0.0	2.3	-----
Hip Replacement/Reconstruction	5	0.0	7.6	-----	0.0	14.3	-----	20.0	18.7	-----
Open Reduction of Hip Fracture	1	0.0	4.0	-----	0.0	7.4	-----	0.0	10.6	-----
Prostatectomy	16	6.3	0.5	-----	6.3	1.1	-----	6.3	1.9	-----
Cholecystectomy	24	0.0	1.5	-----	0.0	2.7	-----	4.2	3.6	-----
Hysterectomy	10	0.0	0.7	-----	0.0	1.4	-----	0.0	2.2	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



DEKALB MEMORIAL HOSPITAL INC

Medicare Provider Number: 150045

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	76.2 years
Proportion female	62.7 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	98.7 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	34.0 %
Admitted for emergency	54.8 %

COMORBIDITIES:

Cancer	8.6 %
Chronic cardiovascular disease	36.7 %
Chronic liver disease	0.6 %
Chronic renal disease	3.6 %
Chronic pulmonary disease	8.9 %
Cerebrovascular degeneration	4.4 %
Diabetes mellitus	5.5 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	80.9%
State	15.4%
Outside State	3.7%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	6.6 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	57
Occupancy Rate	51.0 %
Ownership.Control	Private, Non-Profit
Medicare Discharges	30.3 %
Case Mix Index (CMI)	1.1195

STAFFING:

Total Number of Physicians	21
Percent of Physicians Board Certified Specialists	76.2 %
Medical Residents/Interns	0
Registered Nurses	60
Licensed Practical Nurses	1

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

** Except for CMI

*** Not used in calculating mortality rates**

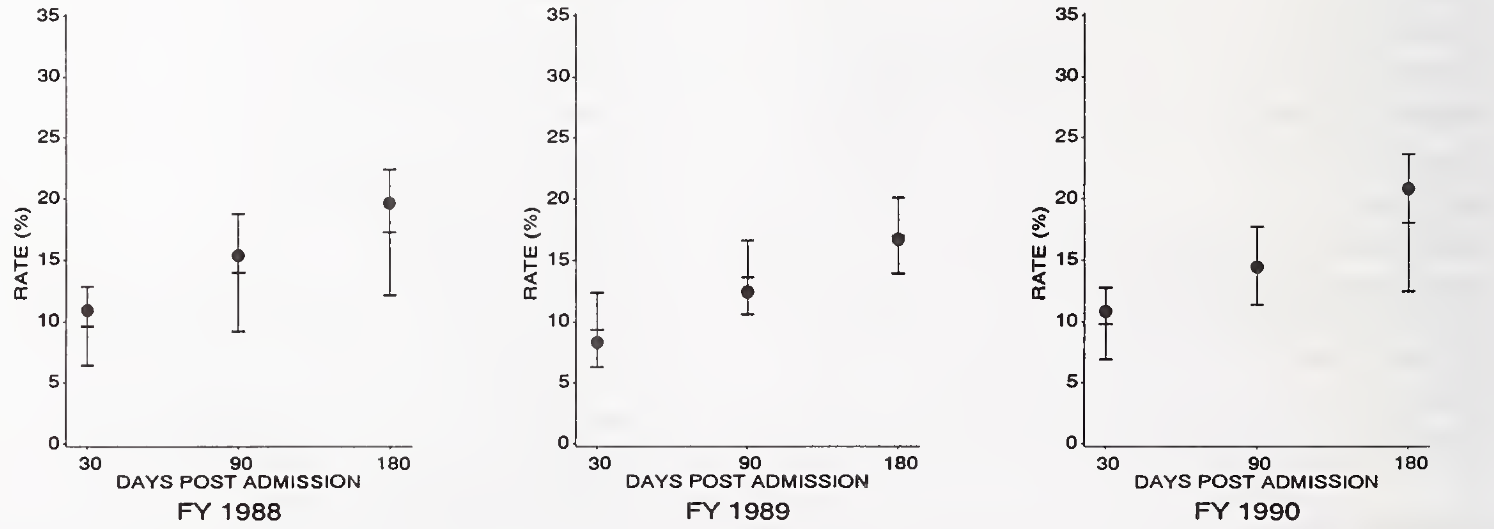
DUKES MEMORIAL HOSPITAL
GRANT AND BOULEVARD
PERU, IN 46970
Medicare Provider Number: 150067

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	528	10.8	9.8	1.5	14.4	14.5	1.6	20.8	18.0	2.8
CONDITIONS:										
Acute Myocardial Infarction	7	14.3	25.5	-----	14.3	27.9	-----	14.3	31.1	-----
Congestive Heart Failure	36	19.4	13.9	-----	19.4	22.3	-----	25.0	28.6	-----
Pneumonia/Influenza	52	19.2	16.9	5.6	21.2	23.0	6.5	28.8	26.9	6.6
Chronic Obstructive Pulmonary Disease	16	12.5	10.0	-----	12.5	17.1	-----	18.8	21.7	-----
Transient Cerebral Ischemia	7	0.0	1.7	-----	14.3	3.7	-----	14.3	6.1	-----
Stroke	29	20.7	21.1	-----	31.0	27.0	-----	44.8	30.8	-----
Hip Fracture	5	0.0	8.7	-----	20.0	14.7	-----	20.0	18.4	-----
Sepsis	5	0.0	32.3	-----	20.0	35.4	-----	20.0	39.0	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	5.9	-----	0.0	11.2	-----	0.0	14.2	-----
Open Reduction of Hip Fracture	4	0.0	5.9	-----	0.0	10.2	-----	0.0	13.5	-----
Prostatectomy	10	0.0	0.9	-----	10.0	2.4	-----	10.0	4.3	-----
Cholecystectomy	16	6.3	2.8	-----	6.3	5.8	-----	12.5	8.3	-----
Hysterectomy	6	0.0	1.7	-----	16.7	4.1	-----	33.3	6.6	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

DUKES MEMORIAL HOSPITAL

Medicare Provider Number: 150067

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	75.0 years
Proportion female	58.5 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	39.2 %
Transferred from skilled nursing facility	0.4 %
Admitted for elective procedure	35.8 %
Admitted for emergency	59.3 %

COMORBIDITIES:

Cancer	10.0 %
Chronic cardiovascular disease	37.1 %
Chronic liver disease	0.6 %
Chronic renal disease	1.9 %
Chronic pulmonary disease	17.0 %
Cerebrovascular degeneration	1.5 %
Diabetes mellitus	4.5 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	89.2%
State	8.3%
Outside State	2.5%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	7.1 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	135
Occupancy Rate	44.0 %
Ownership/Control	Local Government
Medicare Discharges	34.8 %
Case Mix Index (CMI)	1.0886

STAFFING:

Total Number of Physicians	27
Percent of Physicians Board Certified Specialists	63.0 %
Medical Residents/Interns	0
Registered Nurses	54
Licensed Practical Nurses	21

** Except for CMI

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	Yes

*** Not used in calculating mortality rates**

DUNN MEMORIAL HOSPITAL

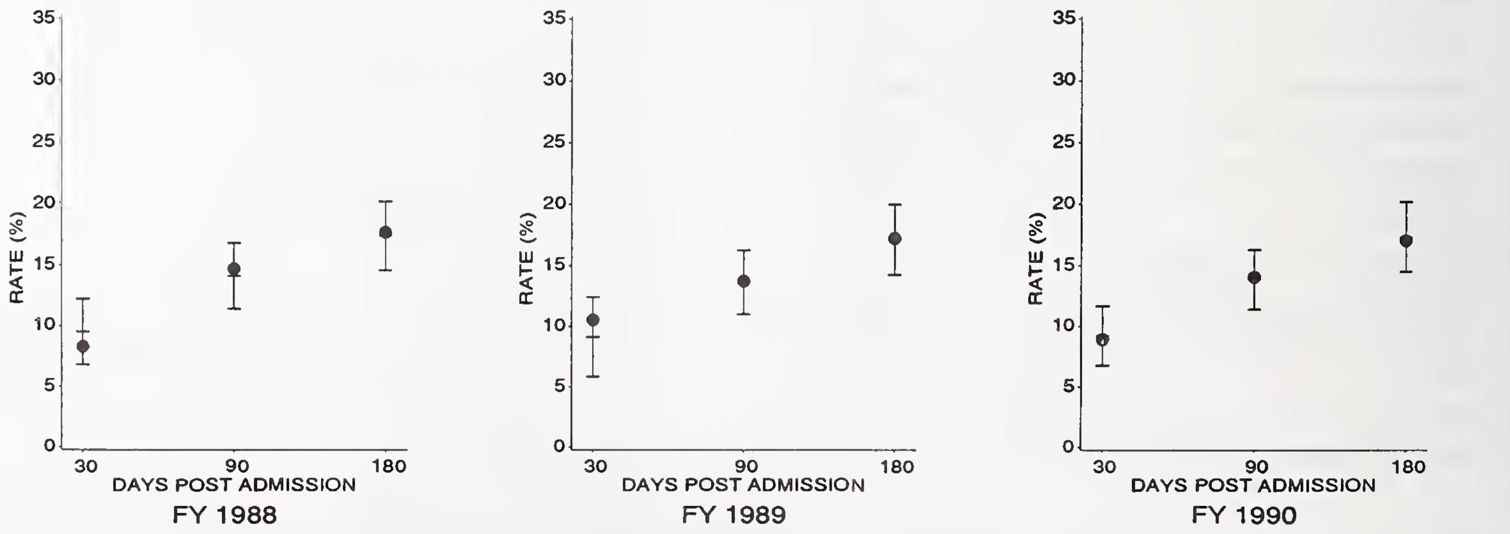
1616 23RD STREET
BEDFORD, IN 47421
Medicare Provider Number: 150049

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	798	8.9	9.2	1.2	14.0	13.8	1.2	17.0	17.3	1.4
CONDITIONS:										
Acute Myocardial Infarction	19	36.8	29.0	-----	42.1	32.3	-----	42.1	35.2	-----
Congestive Heart Failure	60	18.3	14.1	5.4	28.3	22.7	6.0	31.7	29.0	6.2
Pneumonia/Influenza	80	16.2	16.5	4.5	25.0	22.9	5.0	28.7	27.2	6.3
Chronic Obstructive Pulmonary Disease	28	3.6	4.9	-----	3.6	9.3	-----	10.7	13.0	-----
Transient Cerebral Ischemia	14	0.0	1.5	-----	0.0	3.6	-----	0.0	5.8	-----
Stroke	26	15.4	19.4	-----	30.8	25.6	-----	34.6	29.6	-----
Hip Fracture	17	11.8	7.9	-----	11.8	13.5	-----	11.8	17.1	-----
Sepsis	9	33.3	26.4	-----	33.3	32.2	-----	33.3	35.7	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	50.0	8.6	-----	100.0	13.5	-----	100.0	16.9	-----
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	3.7	-----	0.0	7.1	-----	0.0	9.7	-----
Open Reduction of Hip Fracture	9	0.0	6.9	-----	0.0	11.8	-----	0.0	15.4	-----
Prostatectomy	19	0.0	1.1	-----	5.3	2.8	-----	5.3	4.8	-----
Cholecystectomy	14	0.0	3.5	-----	0.0	7.8	-----	0.0	11.9	-----
Hysterectomy	10	0.0	0.3	-----	0.0	0.7	-----	0.0	1.2	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

DUNN MEMORIAL HOSPITAL

Medicare Provider Number: 150049

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	74.8 years	Cancer	3.5 %
Proportion female	59.0 %	Chronic cardiovascular disease	44.0 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.4 %
Referred by personal or HMO physician	34.3 %	Chronic renal disease	3.6 %
Transferred from skilled nursing facility	0.1 %	Chronic pulmonary disease	17.4 %
Admitted for elective procedure	9.5 %	Cerebrovascular degeneration	6.0 %
Admitted for emergency	31.0 %	Diabetes mellitus	11.8 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City	87.1%	Hospital	7.0 Days
State	11.6%	State	8.0 Days
Outside State	1.3%	National	8.6 Days
Total	100.0%		

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:		SPECIALTY SERVICES:	
Total Beds	137	Burn Unit	No
Occupancy Rate	33.0 %	Cardiac Intensive Care	No
Ownership/Control	Local Government	Comprehensive Geriatric	No
Medicare Discharges	43.8 %	Hospice Care	Yes
Case Mix Index (CMI)	1.0859	Medical/Surgical Intensive Care	Yes
STAFFING:		Organ/Tissue Transplant	No
Total Number of Physicians	20	Other Intensive Care	No
Percent of Physicians Board Certified Specialists	60.0 %	Trauma Center	No
		OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Medical Residents/Interns	0	Alcohol/Drug	No
Registered Nurses	70	Rehabilitation	No
Licensed Practical Nurses	19	Psychiatric	No
		Medicare Swing Beds	No

** Except for CMI

* Not used in calculating mortality rates

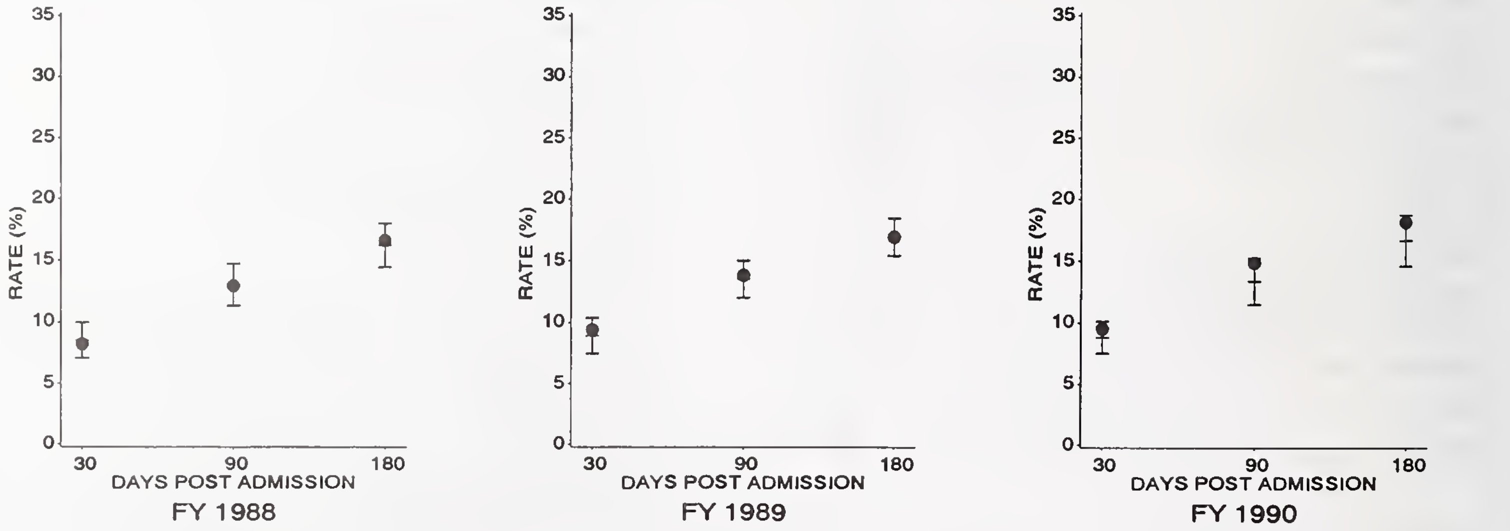
ELKHART GENERAL HOSPITAL
600 EAST BOULEVARD
ELKHART, IN 46514
Medicare Provider Number: 150018

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	2411	9.5	8.8	0.7	14.8	13.3	0.9	18.1	16.6	1.0
CONDITIONS:										
Acute Myocardial Infarction	73	19.2	22.8	7.2	23.3	25.4	8.5	24.7	28.0	8.6
Congestive Heart Failure	146	12.3	14.4	4.0	19.9	22.5	4.3	27.4	28.6	3.9
Pneumonia/Influenza	101	14.9	13.9	3.6	20.8	19.1	4.5	21.8	22.8	4.7
Chronic Obstructive Pulmonary Disease	55	12.7	8.6	4.8	20.0	14.4	7.3	27.3	18.8	9.4
Transient Cerebral Ischemia	23	0.0	1.3	-----	0.0	3.0	-----	0.0	5.0	-----
Stroke	104	24.0	20.1	5.8	36.5	27.4	7.3	38.5	31.3	7.8
Hip Fracture	88	5.7	6.3	3.1	11.4	10.9	3.8	14.8	14.0	4.4
Sepsis	18	16.7	31.7	-----	38.9	39.5	-----	44.4	44.4	-----
PROCEDURES:										
Angioplasty	1	0.0	4.6	-----	0.0	7.2	-----	0.0	8.7	-----
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	3.3	-----	0.0	6.1	-----	0.0	8.4	-----
Carotid Endarterectomy	4	0.0	1.9	-----	0.0	3.7	-----	0.0	5.3	-----
Hip Replacement/Reconstruction	50	0.0	3.8	-----	4.0	6.9	-----	6.0	9.2	-----
Open Reduction of Hip Fracture	50	6.0	5.3	-----	12.0	9.4	-----	18.0	12.3	-----
Prostatectomy	111	0.9	0.9	0.9	0.9	1.9	1.5	1.8	3.3	2.2
Cholecystectomy	58	3.4	2.5	3.4	6.9	4.7	3.5	6.9	6.4	3.9
Hysterectomy	32	0.0	0.2	-----	0.0	0.6	-----	3.1	1.0	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

ELKHART GENERAL HOSPITAL
Medicare Provider Number: 150018

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	74.6 years
Proportion female	56.5 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	53.5 %
Transferred from skilled nursing facility	0.2 %
Admitted for elective procedure	20.9 %
Admitted for emergency	40.9 %

COMORBIDITIES:

Cancer	6.0 %
Chronic cardiovascular disease	35.3 %
Chronic liver disease	1.1 %
Chronic renal disease	2.0 %
Chronic pulmonary disease	14.4 %
Cerebrovascular degeneration	3.3 %
Diabetes mellitus	7.3 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	85.4%
State	5.9%
Outside State	8.7%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	7.3 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	367
Occupancy Rate	55.0 %
Ownership.Control	Private, Non-Profit
Medicare Discharges	32.7 %
Case Mix Index (CMI)	1.1878

STAFFING:

Total Number of Physicians	132
Percent of Physicians Board Certified Specialists	80.3 %
Medical Residents/Interns	0
Registered Nurses	282
Licensed Practical Nurses	34

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	Yes
Rehabilitation	No
Psychiatric	Yes
Medicare Swing Beds	Yes

** Except for CMI

* Not used in calculating mortality rates

FAYETTE MEMORIAL HOSPITAL ASSOCIATION

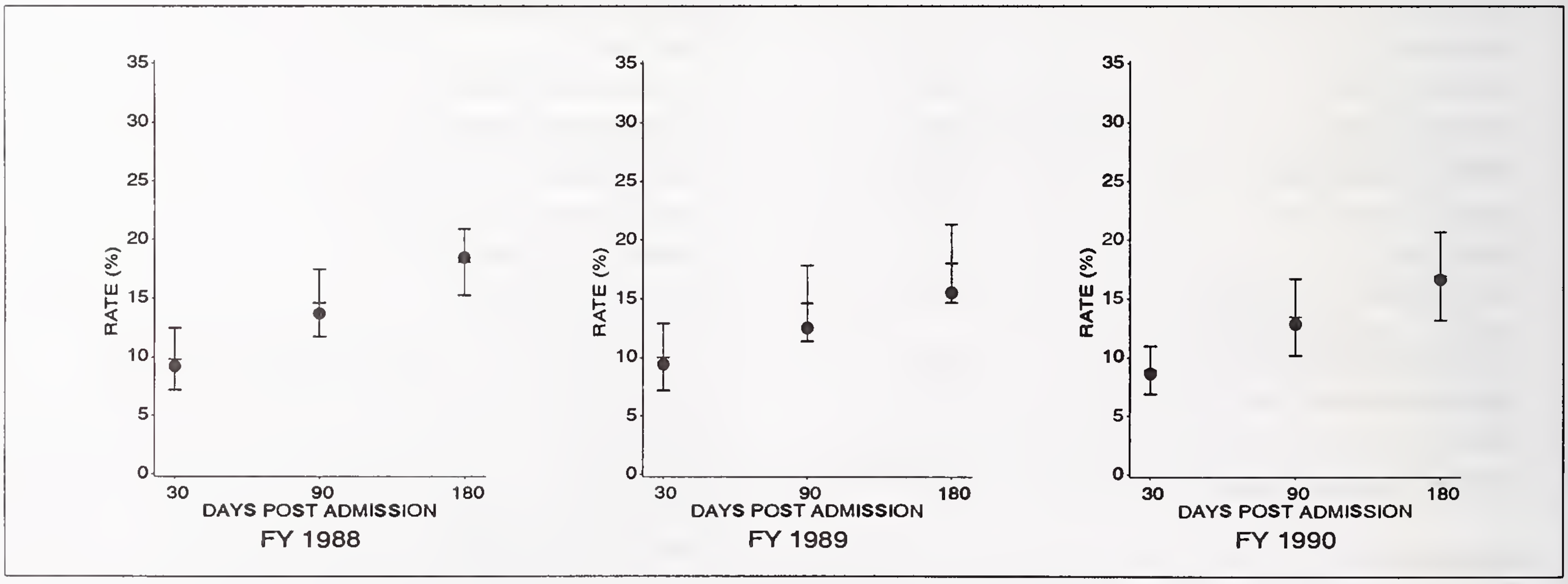
1941 VIRGINIA AVE
CONNERSVILLE, IN 47331
Medicare Provider Number: 150064

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	861	8.6	8.9	1.0	12.8	13.4	1.6	16.6	16.9	1.9
CONDITIONS:										
Acute Myocardial Infarction	24	33.3	27.6	-----	37.5	29.5	-----	41.7	31.6	-----
Congestive Heart Failure	62	12.9	13.0	5.4	17.7	21.0	7.5	25.8	27.3	7.9
Pneumonia/Influenza	62	12.9	14.0	5.2	21.0	19.1	8.7	24.2	22.8	7.4
Chronic Obstructive Pulmonary Disease	31	3.2	6.2	-----	9.7	11.3	-----	12.9	15.7	-----
Transient Cerebral Ischemia	13	0.0	1.5	-----	0.0	3.5	-----	0.0	6.0	-----
Stroke	22	13.6	22.9	-----	31.8	29.3	-----	31.8	33.7	-----
Hip Fracture	16	0.0	5.4	-----	12.5	9.5	-----	25.0	12.3	-----
Sepsis	14	14.3	23.4	-----	21.4	30.0	-----	35.7	34.9	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	1.7	-----	0.0	3.3	-----	0.0	5.2	-----
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	3.7	-----	0.0	6.9	-----	0.0	9.9	-----
Open Reduction of Hip Fracture	10	0.0	5.0	-----	0.0	8.9	-----	20.0	11.5	-----
Prostatectomy	17	5.9	0.5	-----	5.9	1.1	-----	11.8	2.1	-----
Cholecystectomy	8	0.0	0.5	-----	0.0	1.1	-----	0.0	1.6	-----
Hysterectomy	5	0.0	0.1	-----	0.0	0.1	-----	0.0	0.2	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FAYETTE MEMORIAL HOSPITAL ASSOCIATION

Medicare Provider Number: 150064

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	74.7 years
Proportion female	58.3 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	22.9 %
Transferred from skilled nursing facility	0.2 %
Admitted for elective procedure	25.8 %
Admitted for emergency	69.1 %

COMORBIDITIES:

Cancer	5.0 %
Chronic cardiovascular disease	31.9 %
Chronic liver disease	0.1 %
Chronic renal disease	3.8 %
Chronic pulmonary disease	21.8 %
Cerebrovascular degeneration	2.7 %
Diabetes mellitus	7.2 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	81.7%
State	15.7%
Outside State	2.6%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	4.9 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	93
Occupancy Rate	41.0 %
Ownership.Control	Private, Non-Profit
Medicare Discharges	36.2 %
Case Mix Index (CMI)	1.0549

STAFFING:

Total Number of Physicians	23
Percent of Physicians Board Certified Specialists	69.6 %
Medical Residents/Interns	0
Registered Nurses	59
Licensed Practical Nurses	15

** Except for CMI

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

*** Not used in calculating mortality rates**

FLOYD MEMORIAL HOSPITAL

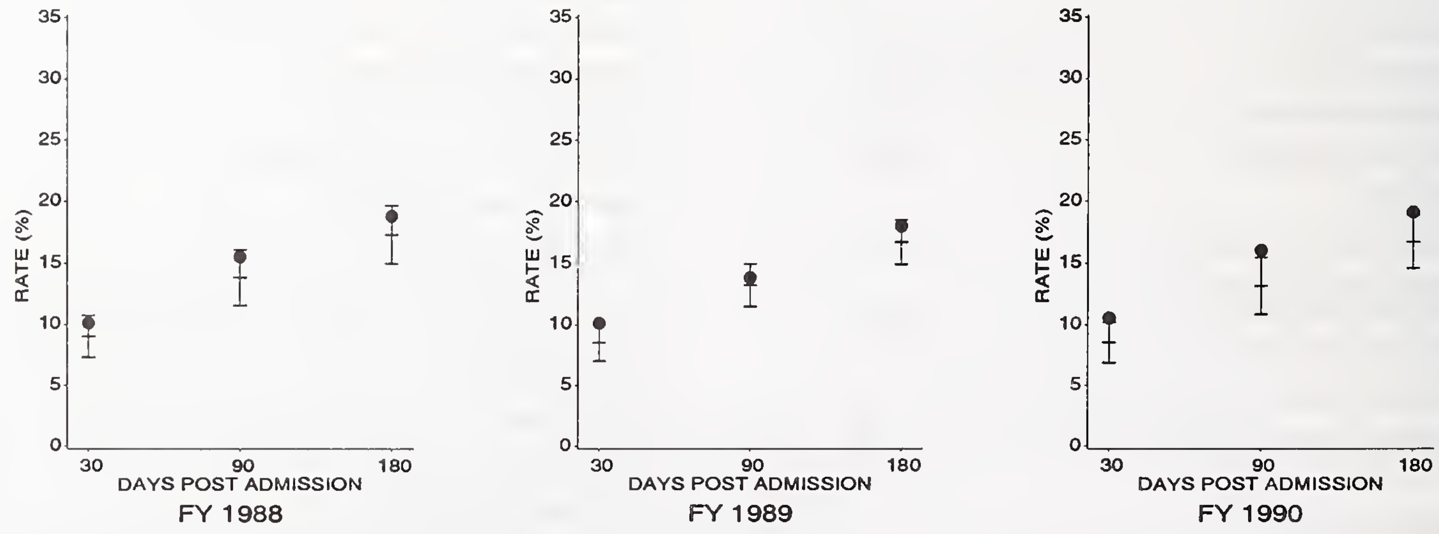
1850 STATE STREET
NEW ALBANY, IN 47150
Medicare Provider Number: 150044

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	2259	10.5	8.5	0.8	16.0	13.1	1.2	19.1	16.7	1.1
CONDITIONS:										
Acute Myocardial Infarction	47	29.8	26.0	-----	36.2	28.8	-----	38.3	31.5	-----
Congestive Heart Failure	105	18.1	14.3	4.4	27.6	22.7	5.7	41.0	29.3	8.4
Pneumonia/Influenza	131	22.9	16.7	4.8	29.0	23.0	5.0	32.1	27.1	5.0
Chronic Obstructive Pulmonary Disease	8	12.5	9.8	-----	37.5	15.8	-----	37.5	20.5	-----
Transient Cerebral Ischemia	34	5.9	1.8	-----	5.9	3.9	-----	8.8	6.2	-----
Stroke	62	32.3	23.3	8.8	45.2	29.0	8.8	45.2	32.4	8.7
Hip Fracture	60	10.0	7.1	4.7	16.7	12.3	5.6	16.7	15.7	5.3
Sepsis	23	21.7	23.5	-----	34.8	29.9	-----	39.1	34.9	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	0.0	4.0	-----	0.0	7.7	-----	10.0	11.0	-----
Carotid Endarterectomy	14	7.1	1.7	-----	7.1	3.4	-----	14.3	5.0	-----
Hip Replacement/Reconstruction	31	9.7	4.0	-----	12.9	7.3	-----	12.9	9.6	-----
Open Reduction of Hip Fracture	27	7.4	6.8	-----	18.5	12.0	-----	18.5	15.7	-----
Prostatectomy	40	0.0	1.3	-----	0.0	3.0	-----	0.0	5.2	-----
Cholecystectomy	46	6.5	2.1	-----	10.9	3.7	-----	10.9	5.0	-----
Hysterectomy	12	0.0	0.3	-----	0.0	0.7	-----	0.0	1.2	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FLOYD MEMORIAL HOSPITAL

Medicare Provider Number: 150044

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	74.6 years
Proportion female	58.8 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	42.7 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	21.2 %
Admitted for emergency	53.0 %

COMORBIDITIES:

Cancer	7.7 %
Chronic cardiovascular disease	44.5 %
Chronic liver disease	1.0 %
Chronic renal disease	1.9 %
Chronic pulmonary disease	20.0 %
Cerebrovascular degeneration	3.2 %
Diabetes mellitus	12.2 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	62.9%
State	33.6%
Outside State	3.5%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	7.4 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	266
Occupancy Rate	53.0 %
Ownership/Control	Local Government
Medicare Discharges	40.1 %
Case Mix Index (CMI)	1.2210

STAFFING:

Total Number of Physicians	98
Percent of Physicians Board Certified Specialists	61.2 %
Medical Residents/Interns	0
Registered Nurses	146
Licensed Practical Nurses	28

** Except for CMI

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	Yes

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

*** Not used in calculating mortality rates**

GIBSON GENERAL HOSPITAL

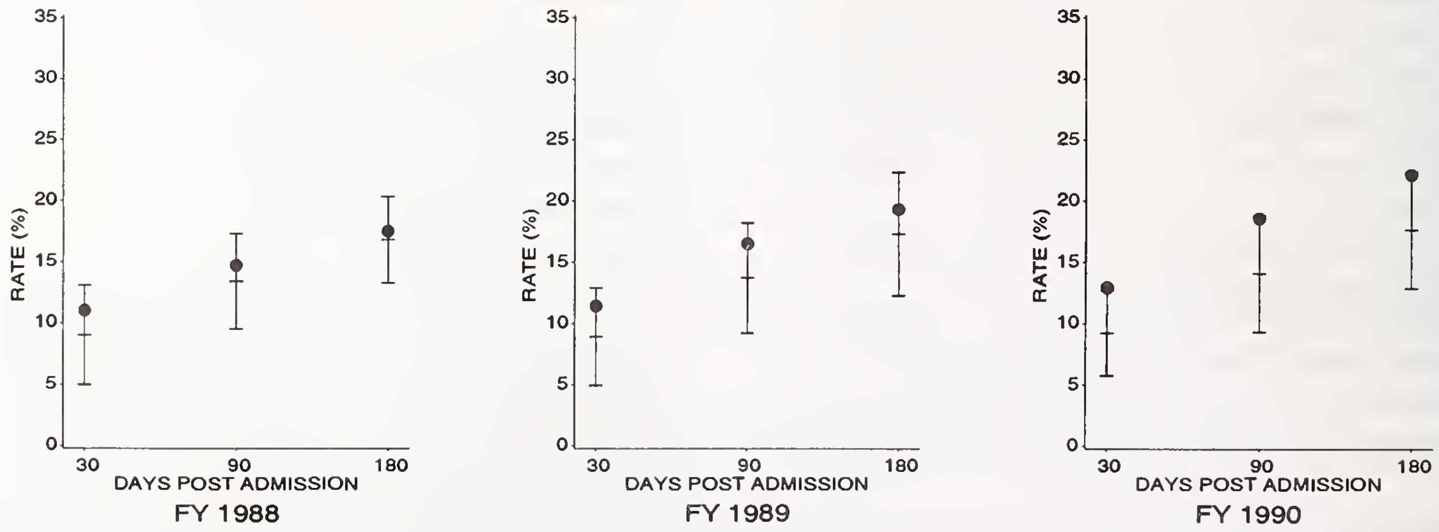
1808 SHERMAN DR
PRINCETON, IN 47670
Medicare Provider Number: 150020

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD*	90 DAYS OBS	90 DAYS PRED	90 DAYS SD*	180 DAYS OBS	180 DAYS PRED	180 DAYS SD*
ALL CAUSES	542	12.9	9.2	1.7	18.5	14.0	2.4	22.1	17.6	2.4
CONDITIONS:										
Acute Myocardial Infarction	18	50.0	24.5	-----	50.0	26.9	-----	50.0	29.6	-----
Congestive Heart Failure	55	16.4	13.1	6.4	20.0	20.8	6.4	25.5	26.6	6.5
Pneumonia/Influenza	39	17.9	13.3	-----	35.9	18.1	-----	35.9	21.3	-----
Chronic Obstructive Pulmonary Disease	9	0.0	6.0	-----	0.0	10.2	-----	11.1	13.6	-----
Transient Cerebral Ischemia	9	0.0	1.8	-----	0.0	4.2	-----	11.1	7.1	-----
Stroke	25	32.0	16.7	-----	36.0	22.8	-----	40.0	26.5	-----
Hip Fracture	17	23.5	6.6	-----	23.5	11.5	-----	23.5	14.6	-----
Sepsis	3	33.3	21.6	-----	33.3	26.9	-----	33.3	32.5	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	16.7	4.8	-----	16.7	9.0	-----	16.7	11.9	-----
Open Reduction of Hip Fracture	6	33.3	8.1	-----	33.3	13.7	-----	33.3	17.4	-----
Prostatectomy	11	0.0	1.2	-----	0.0	3.1	-----	0.0	5.4	-----
Cholecystectomy	6	0.0	2.0	-----	0.0	3.9	-----	0.0	5.6	-----
Hysterectomy	7	0.0	1.5	-----	0.0	3.2	-----	0.0	4.7	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



GIBSON GENERAL HOSPITAL

Medicare Provider Number: 150020

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	77.3 years
Proportion female	60.5 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	96.3 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	0.0 %
Admitted for emergency	0.0 %

COMORBIDITIES:	
Cancer	5.7 %
Chronic cardiovascular disease	48.9 %
Chronic liver disease	0.6 %
Chronic renal disease	3.0 %
Chronic pulmonary disease	13.1 %
Cerebrovascular degeneration	2.0 %
Diabetes mellitus	12.0 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	90.6%
State	4.1%
Outside State	5.3%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	6.1 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	109
Occupancy Rate	62.0 %
Ownership.Control	Private, Non-Profit
Medicare Discharges	(Not Available)
Case Mix Index (CMI)	1.1067
STAFFING:	
Total Number of Physicians	12
Percent of Physicians Board Certified Specialists	75.0 %
Medical Residents/Interns	0
Registered Nurses	36
Licensed Practical Nurses	1

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Trauma Center	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	Yes
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	Yes

** Except for CMI

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* Not used in calculating mortality rates

GOOD SAMARITAN HOSPITAL

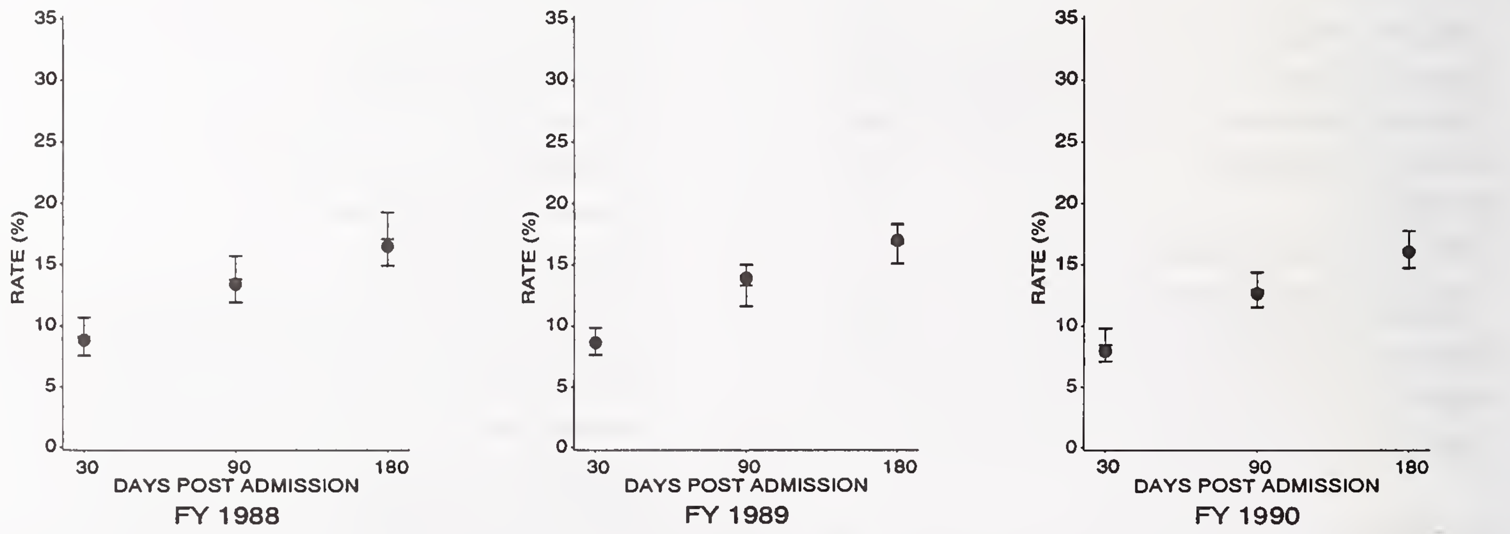
520 SOUTH 7TH STREET
VINCENNES, IN 47591
Medicare Provider Number: 150042

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	2656	7.9	8.4	0.7	12.6	12.9	0.7	16.0	16.2	0.8
CONDITIONS:										
Acute Myocardial Infarction	61	23.0	25.1	6.4	26.2	28.1	7.1	32.8	30.9	8.2
Congestive Heart Failure	139	13.7	13.9	3.1	21.6	22.2	3.7	25.9	28.5	4.5
Pneumonia/Influenza	183	12.6	15.3	3.7	20.2	20.5	3.2	21.9	24.2	3.9
Chronic Obstructive Pulmonary Disease	40	7.5	4.4	-----	7.5	8.3	-----	10.0	11.8	-----
Transient Cerebral Ischemia	44	2.3	1.8	-----	4.5	4.1	-----	4.5	6.7	-----
Stroke	87	18.4	22.1	6.3	26.4	28.0	5.3	28.7	31.6	5.7
Hip Fracture	96	8.3	6.2	3.1	12.5	11.1	3.7	16.7	14.5	4.6
Sepsis	44	27.3	28.0	-----	45.5	38.1	-----	54.5	43.7	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	24	0.0	2.9	-----	0.0	6.0	-----	0.0	9.2	-----
Carotid Endarterectomy	2	0.0	0.6	-----	0.0	1.2	-----	0.0	1.8	-----
Hip Replacement/Reconstruction	72	2.8	3.5	2.5	5.6	6.6	3.4	8.3	8.9	3.4
Open Reduction of Hip Fracture	49	12.2	5.9	-----	16.3	10.7	-----	18.4	14.1	-----
Prostatectomy	97	1.0	1.3	1.3	2.1	2.7	1.7	3.1	4.3	2.5
Cholecystectomy	42	7.1	3.2	-----	7.1	5.9	-----	7.1	7.8	-----
Hysterectomy	22	0.0	0.9	-----	0.0	2.2	-----	0.0	3.5	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988 FY 1989 FY 1990

GOOD SAMARITAN HOSPITAL

Medicare Provider Number: 150042

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	74.8 years
Proportion female	58.8 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	43.7 %
Transferred from skilled nursing facility	0.6 %
Admitted for elective procedure	20.0 %
Admitted for emergency	77.2 %

COMORBIDITIES:

Cancer	6.3 %
Chronic cardiovascular disease	32.9 %
Chronic liver disease	0.7 %
Chronic renal disease	4.0 %
Chronic pulmonary disease	19.8 %
Cerebrovascular degeneration	1.8 %
Diabetes mellitus	8.6 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	55.4%
State	19.0%
Outside State	25.6%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	8.8 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	270
Occupancy Rate	74.0 %
Ownership/Control	Local Government
Medicare Discharges	44.3 %
Case Mix Index (CMI)	1.2201

STAFFING:

Total Number of Physicians	94
Percent of Physicians Board Certified Specialists	71.3 %
Medical Residents/Interns	0
Registered Nurses	277
Licensed Practical Nurses	23

** Except for CMI

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	Yes
Medicare Swing Beds	Yes

*** Not used in calculating mortality rates**

GOSHEN GENERAL HOSPITAL

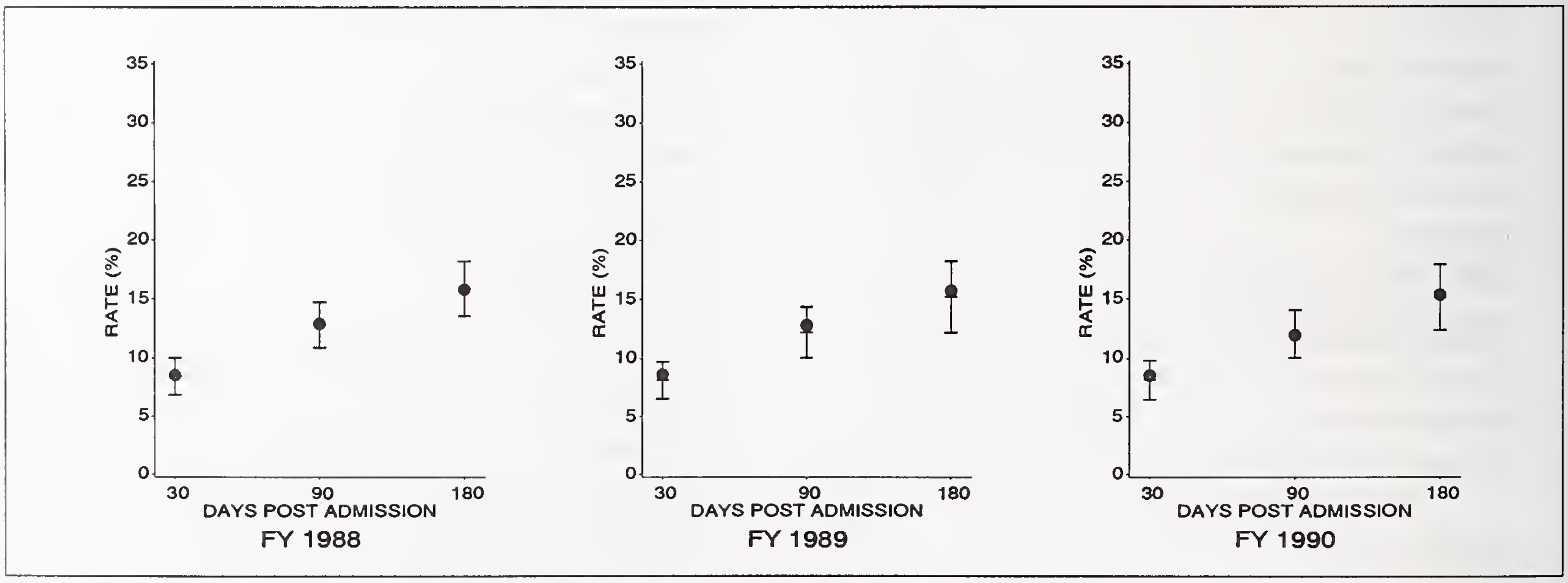
200 HIGH PARK AVENUE
GOSHEN, IN 46526
Medicare Provider Number: 150026

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD*	90 DAYS OBS	90 DAYS PRED	90 DAYS SD*	180 DAYS OBS	180 DAYS PRED	180 DAYS SD*
ALL CAUSES	1212	8.5	8.1	0.9	11.9	12.0	1.0	15.3	15.1	1.4
CONDITIONS:										
Acute Myocardial Infarction	41	29.3	25.8	-----	29.3	28.2	-----	34.1	30.7	-----
Congestive Heart Failure	78	17.9	14.0	5.4	21.8	22.1	4.7	32.1	28.5	5.9
Pneumonia/Influenza	76	11.8	14.9	5.1	15.8	20.1	6.8	17.1	23.9	6.8
Chronic Obstructive Pulmonary Disease	26	7.7	8.7	-----	7.7	15.4	-----	15.4	20.7	-----
Transient Cerebral Ischemia	24	4.2	1.8	-----	4.2	4.0	-----	4.2	6.5	-----
Stroke	52	23.1	18.8	7.8	32.7	24.8	10.1	32.7	28.6	9.8
Hip Fracture	56	8.9	6.6	6.7	16.1	11.5	7.0	19.6	15.0	8.0
Sepsis	10	50.0	29.7	-----	50.0	36.0	-----	50.0	39.8	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	0.7	-----	0.0	1.6	-----	0.0	2.6	-----
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	25	12.0	2.6	-----	12.0	4.7	-----	12.0	6.2	-----
Open Reduction of Hip Fracture	39	7.7	5.3	-----	15.4	9.7	-----	20.5	13.0	-----
Prostatectomy	81	2.5	0.8	1.5	2.5	1.9	1.9	3.7	3.3	2.1
Cholecystectomy	38	0.0	2.6	-----	0.0	4.8	-----	2.6	6.4	-----
Hysterectomy	4	0.0	0.3	-----	0.0	0.9	-----	0.0	1.6	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

GOSHEN GENERAL HOSPITAL
Medicare Provider Number: 150026

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	76.0 years
Proportion female	55.7 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	48.3 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	25.2 %
Admitted for emergency	49.3 %

COMORBIDITIES:

Cancer	5.1 %
Chronic cardiovascular disease	37.2 %
Chronic liver disease	0.6 %
Chronic renal disease	1.5 %
Chronic pulmonary disease	15.0 %
Cerebrovascular degeneration	3.1 %
Diabetes mellitus	8.3 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	61.6%
State	34.2%
Outside State	4.2%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	6.7 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: Health Care Financing Administration (OSCAR)** - Survey Year 1991

PROFILE:

Total Beds	160
Ownership.Control	Private, Non-Profit
Case Mix Index (CMI)	1.1467

STAFFING:

Medical Residents/Interns	3
Registered Nurses	131
Licensed Practical Nurses	11

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	Yes
Hospice Care	Yes
Intensive Care Unit	Yes
Organ Transplant	Yes
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	Yes
Medicare Swing Beds	No

** Except for CMI

* Not used in calculating mortality rates

GREENE COUNTY GENERAL HOSPITAL

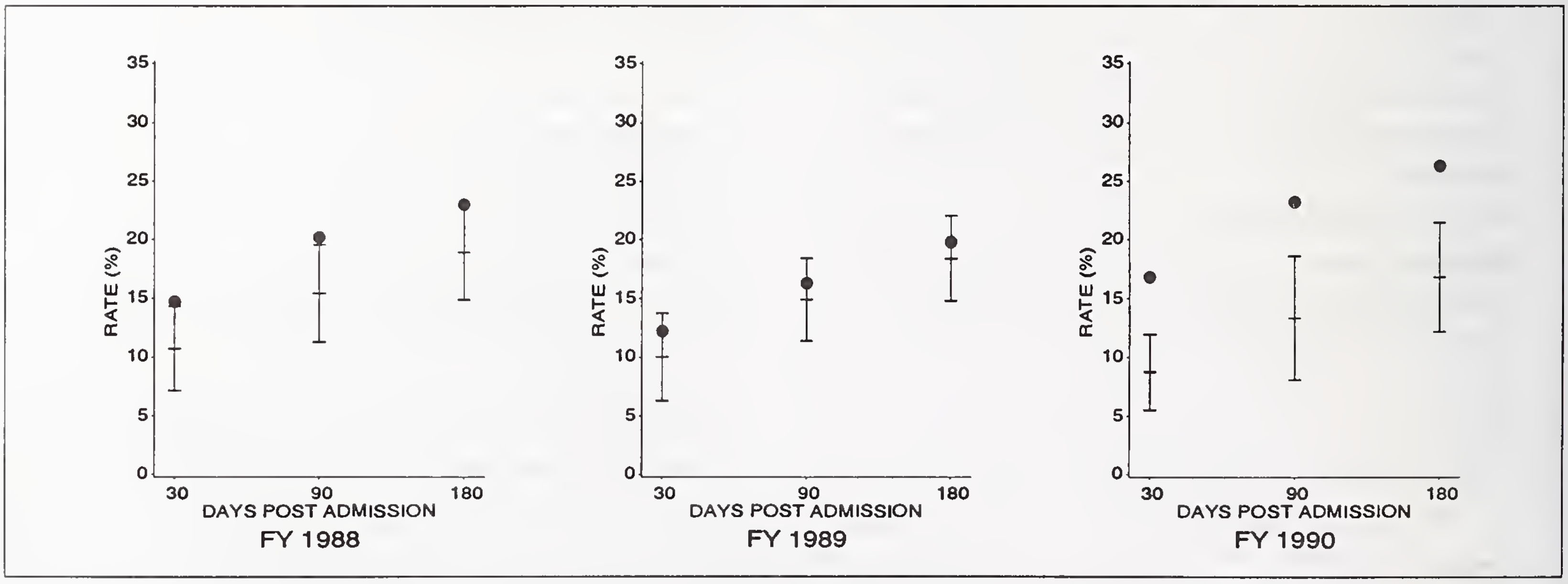
RR 1, BOX 453
LINTON, IN 47441
Medicare Provider Number: 150066

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	513	16.8	8.7	1.6	23.2	13.3	2.6	26.3	16.8	2.3
CONDITIONS:										
Acute Myocardial Infarction	24	41.7	22.5	-----	54.2	26.0	-----	54.2	29.1	-----
Congestive Heart Failure	38	23.7	14.1	-----	36.8	23.0	-----	36.8	29.4	-----
Pneumonia/Influenza	38	10.5	10.3	-----	13.2	14.2	-----	18.4	17.7	-----
Chronic Obstructive Pulmonary Disease	3	33.3	9.2	-----	33.3	15.3	-----	33.3	19.5	-----
Transient Cerebral Ischemia	9	22.2	2.2	-----	22.2	5.3	-----	44.4	8.7	-----
Stroke	35	28.6	17.7	-----	34.3	24.2	-----	37.1	28.2	-----
Hip Fracture	24	20.8	6.3	-----	29.2	11.3	-----	33.3	14.9	-----
Sepsis	6	16.7	28.8	-----	16.7	35.5	-----	33.3	40.3	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	28.6	4.4	-----	57.1	8.5	-----	57.1	12.2	-----
Open Reduction of Hip Fracture	15	20.0	6.2	-----	20.0	11.4	-----	26.7	15.0	-----
Prostatectomy	6	0.0	1.2	-----	0.0	2.7	-----	0.0	4.5	-----
Cholecystectomy	14	7.1	1.3	-----	7.1	2.4	-----	7.1	3.2	-----
Hysterectomy	4	0.0	0.2	-----	0.0	0.4	-----	0.0	0.7	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases Is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

GREENE COUNTY GENERAL HOSPITAL

Medicare Provider Number: 150066

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	76.8 years
Proportion female	60.4 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	91.4 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	44.4 %
Admitted for emergency	2.1 %

COMORBIDITIES:	
Cancer	7.0 %
Chronic cardiovascular disease	39.4 %
Chronic liver disease	0.8 %
Chronic renal disease	1.8 %
Chronic pulmonary disease	15.0 %
Cerebrovascular degeneration	1.8 %
Diabetes mellitus	7.2 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	87.4%
State	11.3%
Outside State	1.3%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	6.4 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	76
Occupancy Rate	26.0 %
Ownership/Control	Local Government
Medicare Discharges	52.0 %
Case Mix Index (CMI)	1.1266
STAFFING:	
Total Number of Physicians	32
Percent of Physicians Board Certified Specialists	34.4 %
Medical Residents/Interns	0
Registered Nurses	41
Licensed Practical Nurses	6

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

** Except for CMI

*** Not used in calculating mortality rates**

HANCOCK MEMORIAL HOSPITAL

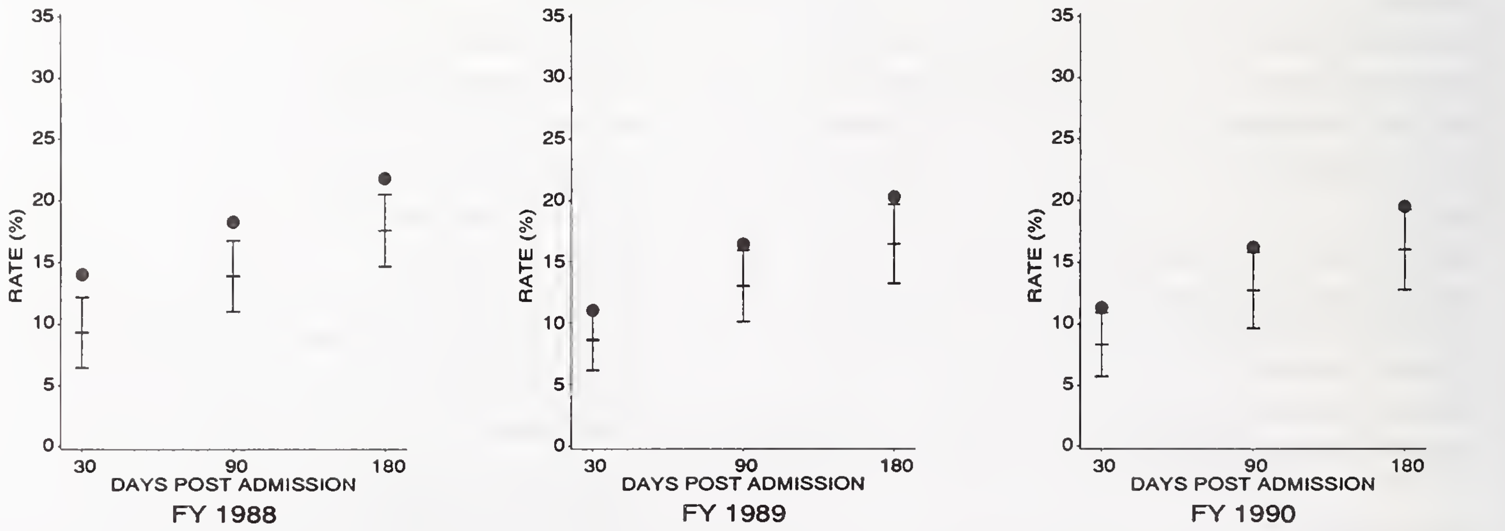
801 NORTH STATE STREET, BOX 827
GREENFIELD, IN 46140
Medicare Provider Number: 150037

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	987	11.3	8.3	1.3	16.2	12.7	1.5	19.5	16.0	1.6
CONDITIONS:										
Acute Myocardial Infarction	32	15.6	24.8	-----	21.9	27.8	-----	21.9	30.6	-----
Congestive Heart Failure	53	22.6	13.9	8.1	28.3	22.3	7.5	39.6	28.4	8.9
Pneumonia/Influenza	50	18.0	13.5	-----	26.0	18.8	-----	30.0	22.5	-----
Chronic Obstructive Pulmonary Disease	14	7.1	7.7	-----	21.4	14.1	-----	21.4	19.1	-----
Transient Cerebral Ischemia	20	5.0	1.4	-----	5.0	3.2	-----	10.0	5.4	-----
Stroke	55	18.2	16.4	5.4	23.6	22.5	5.7	30.9	26.4	7.0
Hip Fracture	27	11.1	6.4	-----	18.5	12.0	-----	18.5	16.0	-----
Sepsis	40	35.0	23.3	-----	45.0	29.4	-----	47.5	34.3	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	3.2	-----	0.0	6.3	-----	12.5	9.0	-----
Carotid Endarterectomy	2	0.0	1.6	-----	0.0	3.2	-----	0.0	5.2	-----
Hip Replacement/Reconstruction	17	0.0	2.5	-----	11.8	5.1	-----	11.8	7.3	-----
Open Reduction of Hip Fracture	17	17.6	6.7	-----	17.6	12.6	-----	17.6	16.8	-----
Prostatectomy	40	0.0	0.7	-----	0.0	1.5	-----	0.0	2.6	-----
Cholecystectomy	19	5.3	2.2	-----	5.3	3.7	-----	5.3	4.6	-----
Hysterectomy	6	0.0	0.8	-----	0.0	2.0	-----	0.0	3.5	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



HANCOCK MEMORIAL HOSPITAL
Medicare Provider Number: 150037

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	76.3 years
Proportion female	62.2 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	98.0 %
Transferred from skilled nursing facility	0.3 %
Admitted for elective procedure	34.1 %
Admitted for emergency	58.1 %

COMORBIDITIES:

Cancer	5.8 %
Chronic cardiovascular disease	47.7 %
Chronic liver disease	0.2 %
Chronic renal disease	0.9 %
Chronic pulmonary disease	23.3 %
Cerebrovascular degeneration	5.1 %
Diabetes mellitus	10.2 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	59.9%
State	38.1%
Outside State	2.0%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	6.8 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	120
Occupancy Rate	39.0 %
Ownership/Control	Local Government
Medicare Discharges	41.2 %
Case Mix Index (CMI)	1.1660

STAFFING:

Total Number of Physicians	42
Percent of Physicians Board Certified Specialists	66.7 %
Medical Residents/Interns	0
Registered Nurses	81
Licensed Practical Nurses	15

** Except for CMI

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

* **Not used in calculating mortality rates**

HARRISON COUNTY HOSPITAL

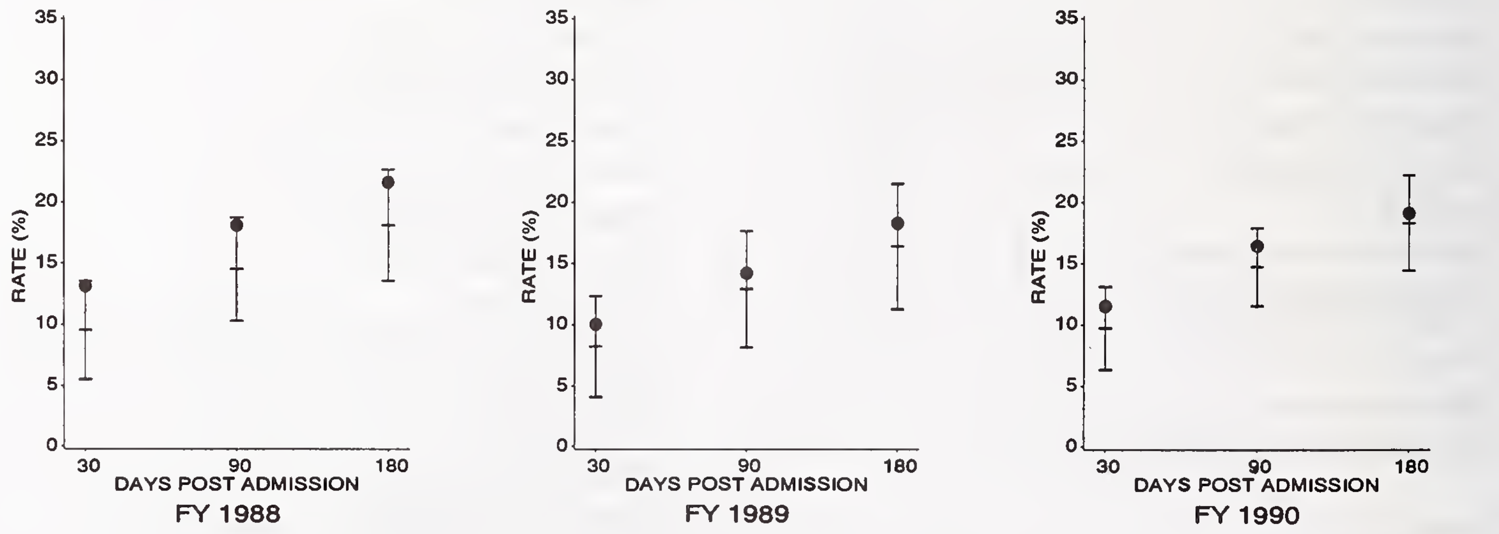
245 ATWOOD STREET
CORYDON, IN 47112
Medicare Provider Number: 150079

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD*	90 DAYS OBS	90 DAYS PRED	90 DAYS SD*	180 DAYS OBS	180 DAYS PRED	180 DAYS SD*
ALL CAUSES	627	11.5	9.7	1.7	16.4	14.7	1.6	19.1	18.3	2.0
CONDITIONS:										
Acute Myocardial Infarction	24	33.3	26.9	-----	37.5	29.9	-----	37.5	32.7	-----
Congestive Heart Failure	53	15.1	12.6	6.0	26.4	19.9	9.7	30.2	25.6	12.3
Pneumonia/Influenza	46	21.7	14.2	-----	26.1	19.4	-----	26.1	22.8	-----
Chronic Obstructive Pulmonary Disease	14	0.0	7.3	-----	7.1	12.7	-----	14.3	17.3	-----
Transient Cerebral Ischemia	9	0.0	1.4	-----	11.1	3.1	-----	11.1	5.3	-----
Stroke	26	23.1	14.9	-----	26.9	20.9	-----	26.9	24.5	-----
Hip Fracture	15	6.7	5.0	-----	6.7	8.5	-----	6.7	11.2	-----
Sepsis	6	0.0	23.8	-----	0.0	31.3	-----	16.7	36.1	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	10.5	-----	100.0	22.3	-----	100.0	31.7	-----
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	3.8	-----	0.0	7.7	-----	0.0	10.5	-----
Open Reduction of Hip Fracture	8	0.0	4.8	-----	0.0	8.0	-----	0.0	10.7	-----
Prostatectomy	8	12.5	0.7	-----	12.5	1.6	-----	12.5	2.7	-----
Cholecystectomy	15	0.0	2.0	-----	0.0	3.5	-----	0.0	4.7	-----
Hysterectomy	3	0.0	0.1	-----	0.0	0.2	-----	0.0	0.4	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

HARRISON COUNTY HOSPITAL
Medicare Provider Number: 150079

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	76.4 years
Proportion female	56.0 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	97.9 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	0.0 %
Admitted for emergency	8.0 %

COMORBIDITIES:

Cancer	7.2 %
Chronic cardiovascular disease	40.0 %
Chronic liver disease	0.6 %
Chronic renal disease	4.1 %
Chronic pulmonary disease	16.1 %
Cerebrovascular degeneration	3.7 %
Diabetes mellitus	9.4 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	69.9%
State	24.5%
Outside State	5.6%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	5.7 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	68
Occupancy Rate	36.0 %
Ownership/Control	Local Government
Medicare Discharges	46.9 %
Case Mix Index (CMI)	1.1142

STAFFING:

Total Number of Physicians	18
Percent of Physicians Board Certified Specialists	72.2 %
Medical Residents/Interns	0
Registered Nurses	19
Licensed Practical Nurses	7

** Except for CMI

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	Yes

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

* Not used in calculating mortality rates

HENDRICKS COMMUNITY HOSPITAL

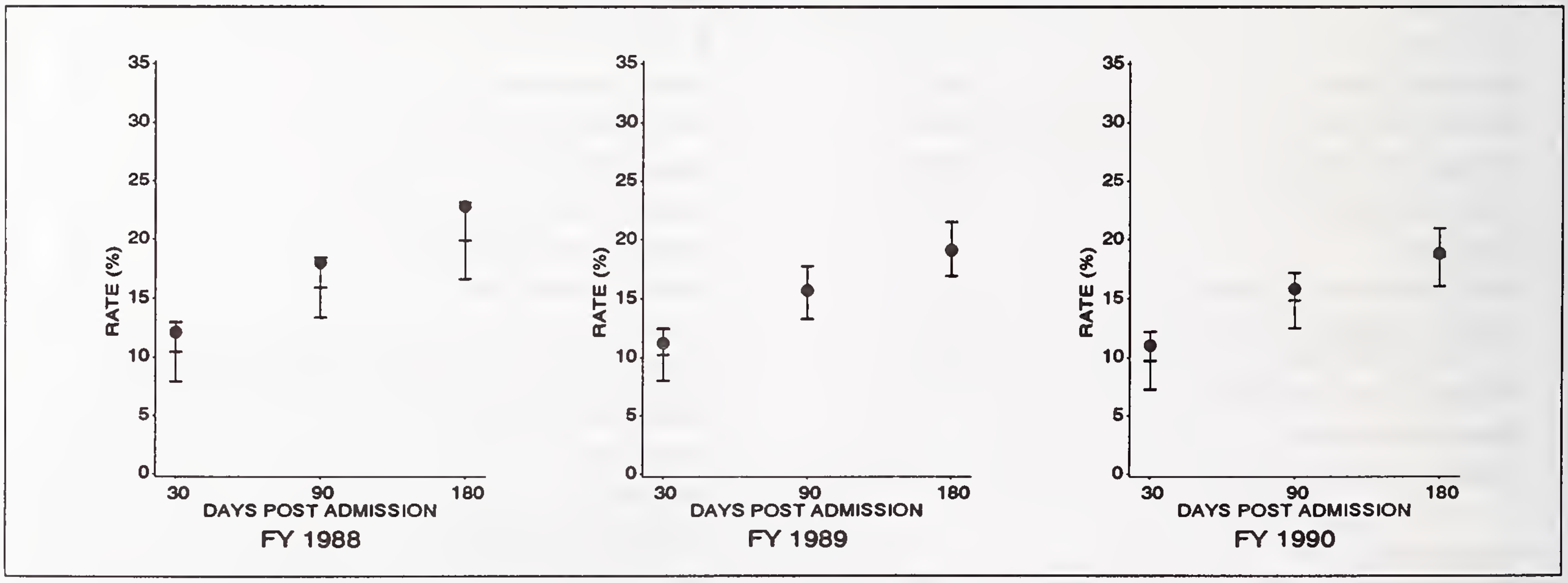
1000 EAST MAIN STREET
DANVILLE, IN 46122
Medicare Provider Number: 150005

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	1237	11.0	9.7	1.2	15.8	14.8	1.2	18.8	18.5	1.2
CONDITIONS:										
Acute Myocardial Infarction	40	27.5	21.9	-----	35.0	25.0	-----	37.5	27.8	-----
Congestive Heart Failure	83	14.5	14.2	3.9	24.1	22.7	6.2	28.9	29.1	6.1
Pneumonia/Influenza	58	20.7	16.5	7.4	27.6	22.5	6.9	31.0	26.5	7.1
Chronic Obstructive Pulmonary Disease	33	0.0	6.1	-----	3.0	10.2	-----	6.1	13.7	-----
Transient Cerebral Ischemia	14	7.1	2.0	-----	14.3	4.7	-----	14.3	7.8	-----
Stroke	50	24.0	17.2	-----	28.0	23.7	-----	34.0	27.4	-----
Hip Fracture	32	3.1	5.2	-----	12.5	9.6	-----	18.8	12.9	-----
Sepsis	26	34.6	27.6	-----	34.6	35.0	-----	42.3	39.5	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	7.7	3.6	-----	7.7	6.9	-----	7.7	9.9	-----
Carotid Endarterectomy	1	0.0	0.5	-----	0.0	1.0	-----	0.0	1.7	-----
Hip Replacement/Reconstruction	16	6.3	3.9	-----	6.3	7.6	-----	6.3	10.4	-----
Open Reduction of Hip Fracture	15	0.0	5.7	-----	13.3	10.6	-----	26.7	14.6	-----
Prostatectomy	52	0.0	1.0	1.6	0.0	2.4	2.6	0.0	4.2	3.6
Cholecystectomy	24	8.3	2.3	-----	16.7	4.1	-----	16.7	5.2	-----
Hysterectomy	12	0.0	0.3	-----	0.0	0.7	-----	0.0	1.1	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

HENDRICKS COMMUNITY HOSPITAL

Medicare Provider Number: 150005

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	75.9 years
Proportion female	57.3 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	38.2 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	12.6 %
Admitted for emergency	6.3 %

COMORBIDITIES:

Cancer	7.8 %
Chronic cardiovascular disease	35.2 %
Chronic liver disease	0.5 %
Chronic renal disease	3.0 %
Chronic pulmonary disease	21.5 %
Cerebrovascular degeneration	7.3 %
Diabetes mellitus	8.7 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	55.8%
State	42.1%
Outside State	2.1%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	7.3 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	127
Occupancy Rate	54.0 %
Ownership/Control	Local Government
Medicare Discharges	40.8 %
Case Mix Index (CMI)	1.2198

STAFFING:

Total Number of Physicians	190
Percent of Physicians Board Certified Specialists	72.6 %
Medical Residents/Interns	0
Registered Nurses	123
Licensed Practical Nurses	18

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	Yes
Medicare Swing Beds	No

** Except for CMI

* Not used in calculating mortality rates

HENRY COUNTY MEMORIAL HOSPITAL

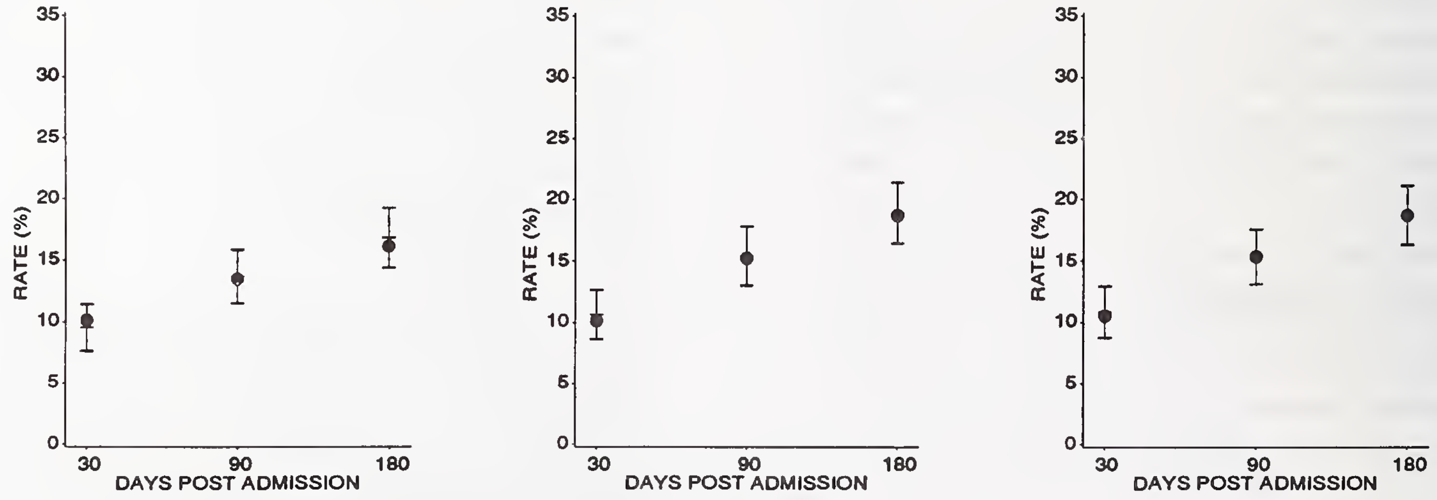
1000 NORTH 16TH STREET
NEW CASTLE, IN 47362
Medicare Provider Number: 150030

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	1088	10.5	10.8	1.1	15.3	15.3	1.1	18.7	18.7	1.2
CONDITIONS:										
Acute Myocardial Infarction	55	32.7	35.6	8.2	36.4	38.4	9.3	36.4	41.3	10.0
Congestive Heart Failure	105	17.1	15.0	5.0	26.7	23.3	5.4	29.5	29.3	4.5
Pneumonia/Influenza	71	9.9	13.5	5.6	14.1	18.6	6.4	16.9	22.4	7.7
Chronic Obstructive Pulmonary Disease	22	9.1	5.8	-----	18.2	10.5	-----	22.7	14.1	-----
Transient Cerebral Ischemia	16	0.0	1.5	-----	0.0	3.6	-----	0.0	6.2	-----
Stroke	56	12.5	18.9	9.3	19.6	24.6	8.1	25.0	28.3	8.5
Hip Fracture	27	7.4	6.3	-----	7.4	11.2	-----	14.8	14.7	-----
Sepsis	7	14.3	23.1	-----	14.3	29.2	-----	28.6	33.8	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	5.3	4.8	-----	10.5	8.4	-----	10.5	11.4	-----
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	14.3	6.0	-----	14.3	10.7	-----	21.4	14.2	-----
Open Reduction of Hip Fracture	12	0.0	5.3	-----	0.0	10.1	-----	0.0	13.3	-----
Prostatectomy	53	1.9	0.9	1.9	3.8	2.1	2.8	3.8	3.7	3.4
Cholecystectomy	37	2.7	2.8	-----	10.8	5.1	-----	13.5	6.6	-----
Hysterectomy	6	0.0	0.1	-----	0.0	0.3	-----	0.0	0.6	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988 FY 1989 FY 1990

HENRY COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 150030

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	75.5 years
Proportion female	56.7 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	35.5 %
Transferred from skilled nursing facility	0.1 %
Admitted for elective procedure	10.3 %
Admitted for emergency	28.3 %

COMORBIDITIES:	
Cancer	5.1 %
Chronic cardiovascular disease	42.4 %
Chronic liver disease	0.9 %
Chronic renal disease	1.8 %
Chronic pulmonary disease	13.3 %
Cerebrovascular degeneration	8.1 %
Diabetes mellitus	6.9 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	89.3%
State	10.0%
Outside State	0.7%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	7.0 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	107
Occupancy Rate	52.0 %
Ownership/Control	Local Government
Medicare Discharges	43.0 %
Case Mix Index (CMI)	1.1848
STAFFING:	
Total Number of Physicians	31
Percent of Physicians Board Certified Specialists	64.5 %
Medical Residents/Interns	0
Registered Nurses	91
Licensed Practical Nurses	15

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

** Except for CMI

* Not used in calculating mortality rates

HOLY CROSS PARKVIEW HOSPITAL

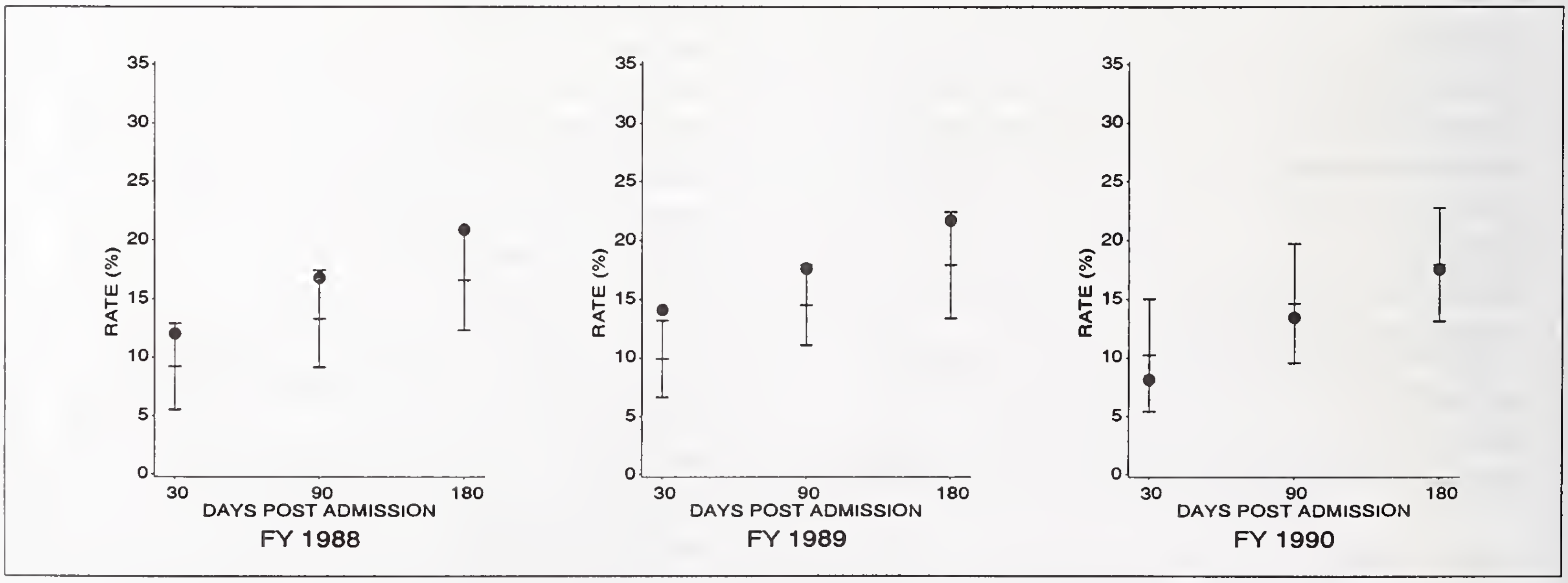
1915 LAKE AVE, BOX 670
PLYMOUTH, IN 46563
Medicare Provider Number: 150076

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	30 DAYS OBS	30 DAYS PRED	30 DAYS SD*	90 DAYS OBS	90 DAYS PRED	90 DAYS SD*	180 DAYS OBS	180 DAYS PRED	180 DAYS SD*
ALL CAUSES	567	8.1	10.2	2.4	13.4	14.6	2.6	17.5	17.9	2.4
CONDITIONS:										
Acute Myocardial Infarction	40	30.0	25.5	-----	32.5	28.8	-----	37.5	31.8	-----
Congestive Heart Failure	40	12.5	15.0	-----	17.5	23.6	-----	25.0	29.9	-----
Pneumonia/Influenza	43	9.3	15.7	-----	18.6	21.6	-----	20.9	25.2	-----
Chronic Obstructive Pulmonary Disease	10	20.0	10.3	-----	20.0	18.6	-----	20.0	24.2	-----
Transient Cerebral Ischemia	6	16.7	1.4	-----	16.7	3.5	-----	16.7	6.1	-----
Stroke	21	19.0	20.8	-----	28.6	27.6	-----	47.6	31.6	-----
Hip Fracture	14	7.1	10.0	-----	21.4	17.0	-----	21.4	21.0	-----
Sepsis	5	0.0	21.4	-----	0.0	25.0	-----	0.0	28.0	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	0.0	2.9	-----	12.5	5.7	-----	12.5	7.9	-----
Open Reduction of Hip Fracture	6	16.7	13.4	-----	33.3	23.2	-----	33.3	28.6	-----
Prostatectomy	29	0.0	0.8	-----	3.4	1.8	-----	3.4	3.1	-----
Cholecystectomy	15	0.0	2.0	-----	0.0	3.3	-----	0.0	4.4	-----
Hysterectomy	9	0.0	0.2	-----	0.0	0.4	-----	0.0	0.7	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



HOLY CROSS PARKVIEW HOSPITAL

Medicare Provider Number: 150076

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	75.6 years	Cancer	4.2 %
Proportion female	58.0 %	Chronic cardiovascular disease	36.9 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	1.1 %
Referred by personal or HMO physician	46.6 %	Chronic renal disease	2.1 %
Transferred from skilled nursing facility	0.5 %	Chronic pulmonary disease	11.6 %
Admitted for elective procedure	0.9 %	Cerebrovascular degeneration	3.0 %
Admitted for emergency	55.7 %	Diabetes mellitus	6.5 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City	74.4%	Hospital	5.5 Days
State	22.9%	State	8.0 Days
Outside State	2.7%	National	8.6 Days
Total	100.0%		

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:		SPECIALTY SERVICES:	
Total Beds	58	Burn Unit	No
Occupancy Rate	37.0 %	Cardiac Intensive Care	Yes
Ownership/Control	Church	Comprehensive Geriatric	No
Medicare Discharges	41.3 %	Hospice Care	No
Case Mix Index (CMI)	1.0179	Medical/Surgical Intensive Care	No
STAFFING:		Organ/Tissue Transplant	No
Total Number of Physicians	83	Other Intensive Care	No
Percent of Physicians Board Certified Specialists	68.7 %	Trauma Center	No
		OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Medical Residents/Interns	0	Alcohol/Drug	No
Registered Nurses	55	Rehabilitation	No
Licensed Practical Nurses	4	Psychiatric	No
		Medicare Swing Beds	No

** Except for CMI

* Not used in calculating mortality rates

HOWARD COMMUNITY HOSPITAL

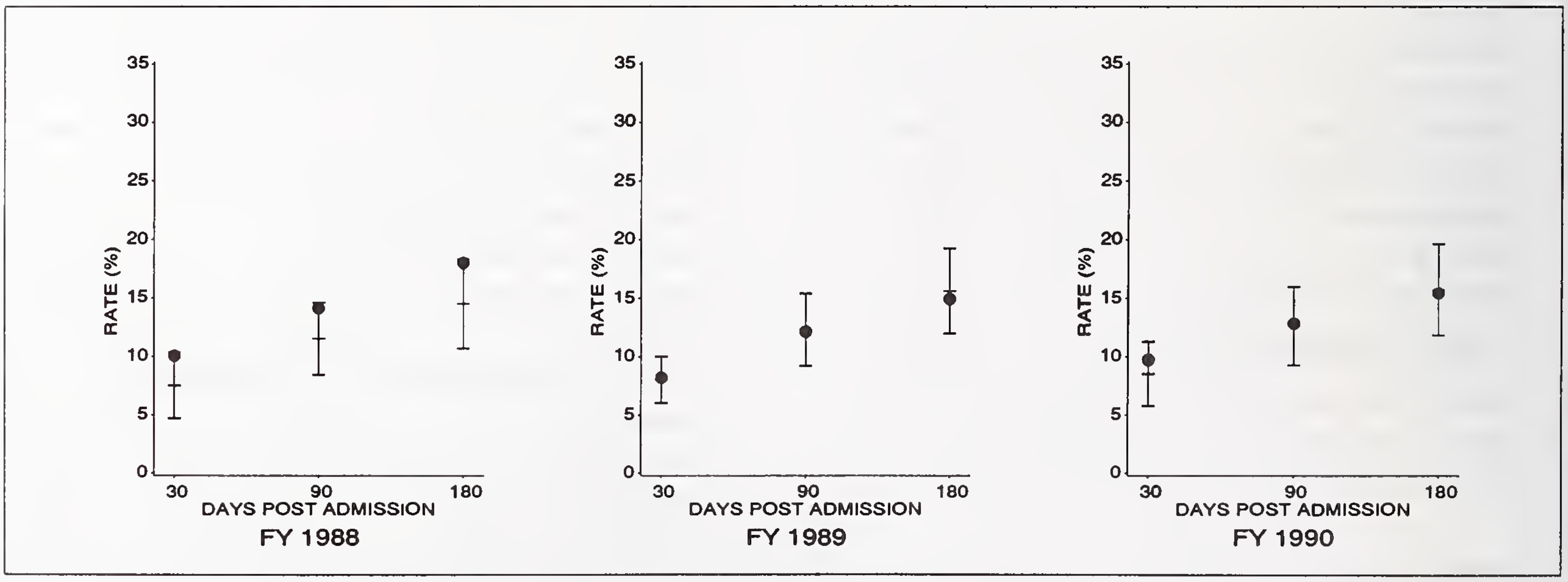
3500 S LA FOUNTAIN ST
KOKOMO, IN 46901
Medicare Provider Number: 150007

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	842	9.7	8.5	1.4	12.8	12.6	1.7	15.4	15.7	2.0
CONDITIONS:										
Acute Myocardial Infarction	32	40.6	27.8	-----	40.6	31.6	-----	43.8	35.0	-----
Congestive Heart Failure	36	11.1	13.4	-----	19.4	21.6	-----	25.0	27.6	-----
Pneumonia/Influenza	42	31.0	16.8	-----	33.3	22.7	-----	38.1	26.6	-----
Chronic Obstructive Pulmonary Disease	19	5.3	6.6	-----	5.3	11.3	-----	5.3	14.9	-----
Transient Cerebral Ischemia	17	0.0	2.5	-----	11.8	5.6	-----	23.5	9.0	-----
Stroke	24	20.8	17.4	-----	20.8	22.6	-----	29.2	25.9	-----
Hip Fracture	19	5.3	6.4	-----	5.3	11.8	-----	10.5	15.3	-----
Sepsis	5	40.0	16.4	-----	80.0	24.0	-----	80.0	29.0	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	1.0	-----	0.0	2.2	-----	0.0	3.6	-----
Carotid Endarterectomy	6	0.0	1.7	-----	0.0	3.0	-----	0.0	4.4	-----
Hip Replacement/Reconstruction	12	0.0	3.9	-----	0.0	7.3	-----	8.3	9.7	-----
Open Reduction of Hip Fracture	7	0.0	5.7	-----	0.0	10.4	-----	0.0	13.3	-----
Prostatectomy	41	0.0	1.1	-----	0.0	2.5	-----	2.4	4.2	-----
Cholecystectomy	24	0.0	1.2	-----	0.0	2.0	-----	0.0	2.6	-----
Hysterectomy	4	0.0	0.3	-----	0.0	0.8	-----	0.0	1.5	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



HOWARD COMMUNITY HOSPITAL

Medicare Provider Number: 150007

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	73.3 years
Proportion female	59.5 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	46.7 %
Transferred from skilled nursing facility	0.1 %
Admitted for elective procedure	28.9 %
Admitted for emergency	50.1 %

COMORBIDITIES:

Cancer	5.5 %
Chronic cardiovascular disease	37.5 %
Chronic liver disease	1.0 %
Chronic renal disease	2.9 %
Chronic pulmonary disease	15.8 %
Cerebrovascular degeneration	3.7 %
Diabetes mellitus	12.5 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	79.0%
State	18.4%
Outside State	2.6%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	7.4 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: Health Care Financing Administration (OSCAR)** - Survey Year 1990

PROFILE:

Total Beds	249
Ownership/Control	Local Government
Case Mix Index (CMI)	1.2027

STAFFING:

Medical Residents/Interns	3
Registered Nurses	150
Licensed Practical Nurses	12

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	Yes
Hospice Care	No
Intensive Care Unit	Yes
Organ Transplant	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	Yes
Rehabilitation	Yes
Psychiatric	Yes
Medicare Swing Beds	No

** Except for CMI

* Not used in calculating mortality rates

HUMANA WOMENS HOSPITAL INDIANAPOLIS

8111 TOWNSHIP LINE ROAD
INDIANAPOLIS, IN 46260
Medicare Provider Number: 150136

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD*	90 DAYS OBS	PRED	SD*	180 DAYS OBS	PRED	SD*
ALL CAUSES	58	0.0	1.1	1.7	0.0	1.9	2.6	1.7	2.7	2.3
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	1	0.0	5.7	-----	0.0	7.6	-----	0.0	9.0	-----
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	3	0.0	0.6	-----	0.0	1.0	-----	0.0	1.4	-----
Hysterectomy	16	0.0	0.4	-----	0.0	0.8	-----	0.0	1.1	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation
was not computed for one or more of the three fiscal years,
(1988, 1989, or 1990)

HUMANA WOMENS HOSPITAL INDIANAPOLIS
Medicare Provider Number: 150136

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	68.7 years
Proportion female	100.0 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	91.4 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	81.0 %
Admitted for emergency	0.0 %

COMORBIDITIES:

Cancer	10.3 %
Chronic cardiovascular disease	12.1 %
Chronic liver disease	0.0 %
Chronic renal disease	0.0 %
Chronic pulmonary disease	5.2 %
Cerebrovascular degeneration	0.0 %
Diabetes mellitus	1.7 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	42.1%
State	55.3%
Outside State	2.6%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	4.7 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	144
Occupancy Rate	41.0 %
Ownership/Control	Private, For Profit
Medicare Discharges	1.9 %
Case Mix Index (CMI)	1.0666

STAFFING:

Total Number of Physicians	119
Percent of Physicians Board Certified Specialists	67.2 %
Medical Residents/Interns	0
Registered Nurses	137
Licensed Practical Nurses	1

** Except for CMI

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	Yes
Medicare Swing Beds	No

* Not used in calculating mortality rates

HUNTINGTON MEMORIAL HOSPITAL

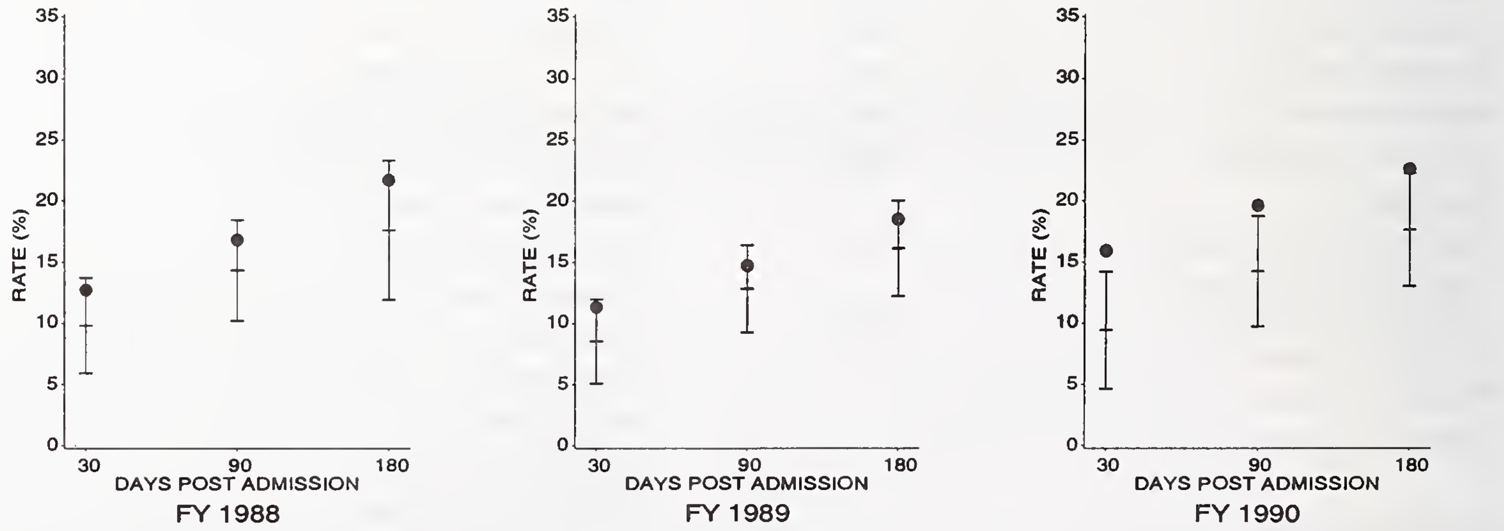
1215 ETNA AVENUE
HUNTINGTON, IN 46750
Medicare Provider Number: 150091

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD*	90 DAYS OBS	90 DAYS PRED	90 DAYS SD*	180 DAYS OBS	180 DAYS PRED	180 DAYS SD*
ALL CAUSES	433	15.9	9.4	2.4	19.6	14.2	2.3	22.6	17.6	2.3
CONDITIONS:										
Acute Myocardial Infarction	15	26.7	19.0	-----	26.7	22.0	-----	26.7	24.6	-----
Congestive Heart Failure	31	22.6	14.0	-----	35.5	22.7	-----	45.2	28.6	-----
Pneumonia/Influenza	37	16.2	13.1	-----	21.6	18.1	-----	24.3	21.4	-----
Chronic Obstructive Pulmonary Disease	8	12.5	8.7	-----	25.0	15.9	-----	25.0	21.8	-----
Transient Cerebral Ischemia	10	0.0	1.2	-----	0.0	2.9	-----	10.0	4.8	-----
Stroke	20	25.0	21.9	-----	30.0	28.0	-----	30.0	31.9	-----
Hip Fracture	18	11.1	5.7	-----	11.1	10.0	-----	11.1	13.1	-----
Sepsis	2	50.0	14.2	-----	50.0	17.7	-----	50.0	19.9	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	13	0.0	2.6	-----	0.0	5.2	-----	0.0	7.1	-----
Open Reduction of Hip Fracture	11	18.2	5.6	-----	18.2	9.7	-----	18.2	12.7	-----
Prostatectomy	8	0.0	0.6	-----	0.0	1.4	-----	0.0	2.6	-----
Cholecystectomy	12	8.3	1.5	-----	8.3	2.7	-----	8.3	3.5	-----
Hysterectomy	4	25.0	0.3	-----	25.0	0.7	-----	25.0	1.2	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



HUNTINGTON MEMORIAL HOSPITAL

Medicare Provider Number: 150091

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	76.4 years
Proportion female	61.2 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	92.8 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	4.4 %
Admitted for emergency	8.1 %

COMORBIDITIES:	
Cancer	5.3 %
Chronic cardiovascular disease	33.5 %
Chronic liver disease	0.7 %
Chronic renal disease	3.2 %
Chronic pulmonary disease	11.1 %
Cerebrovascular degeneration	3.7 %
Diabetes mellitus	9.0 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	90.4%
State	8.4%
Outside State	1.2%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	6.2 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	69
Occupancy Rate	49.0 %
Ownership/Control	Local Government
Medicare Discharges	(Not Available)
Case Mix Index (CMI)	1.2018
STAFFING:	
Total Number of Physicians	(Not Available)
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	(Not Available)
Registered Nurses	(Not Available)
Licensed Practical Nurses	(Not Available)

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

** Except for CMI

*** Not used in calculating mortality rates**

INDIANA UNIVERSITY HOSPITALS

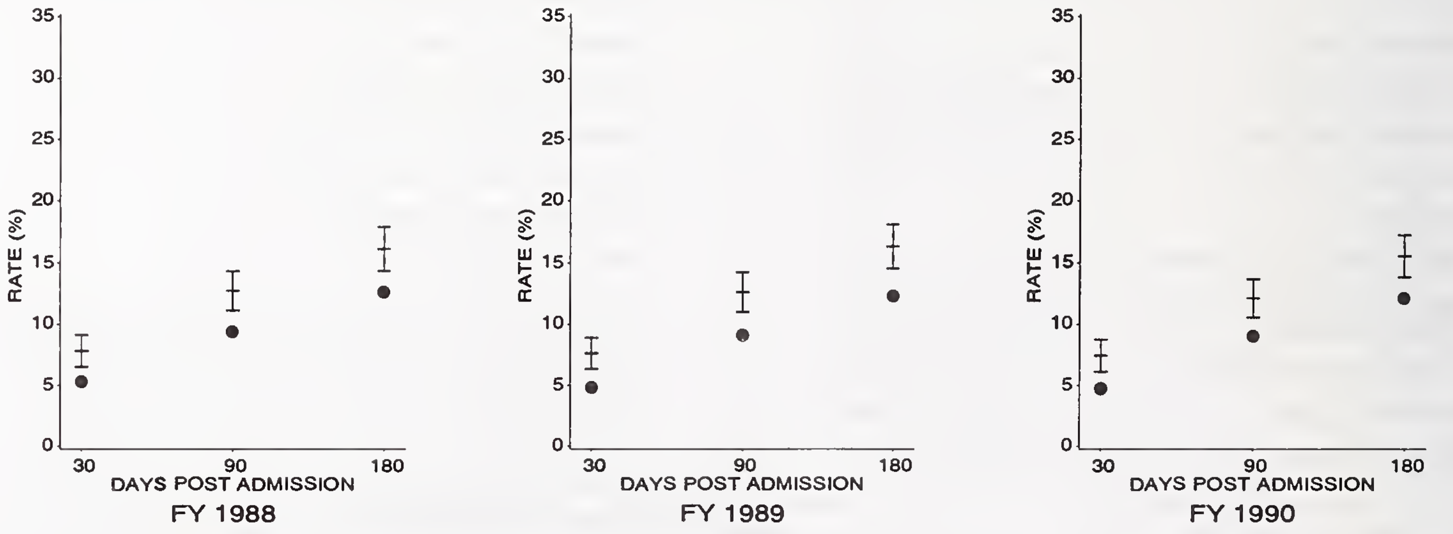
1100 WEST MICHIGAN ST
INDIANAPOLIS, IN 46202
Medicare Provider Number: 150032

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD*	90 DAYS OBS	90 DAYS PRED	90 DAYS SD*	180 DAYS OBS	180 DAYS PRED	180 DAYS SD*
ALL CAUSES	2092	4.7	7.4	0.7	9.0	12.1	0.8	12.1	15.5	0.8
CONDITIONS:										
Acute Myocardial Infarction	17	17.6	28.0	-----	17.6	30.1	-----	17.6	32.3	-----
Congestive Heart Failure	27	11.1	14.2	-----	14.8	23.2	-----	22.2	29.6	-----
Pneumonia/Influenza	17	11.8	16.1	-----	17.6	22.0	-----	29.4	26.0	-----
Chronic Obstructive Pulmonary Disease	10	10.0	8.4	-----	20.0	14.5	-----	20.0	19.2	-----
Transient Cerebral Ischemia	7	0.0	2.5	-----	0.0	5.1	-----	0.0	7.7	-----
Stroke	14	21.4	21.2	-----	28.6	28.0	-----	35.7	31.9	-----
Hip Fracture	6	16.7	10.0	-----	33.3	16.6	-----	33.3	21.5	-----
Sepsis	4	50.0	19.9	-----	50.0	25.2	-----	50.0	29.1	-----
PROCEDURES:										
Angioplasty	49	4.1	3.2	-----	4.1	4.3	-----	4.1	5.4	-----
Coronary Artery Bypass Graft	57	3.5	6.5	4.2	8.8	9.0	4.9	10.5	10.0	4.5
Initial Pacemaker Insertion	10	0.0	2.0	-----	0.0	4.3	-----	0.0	6.7	-----
Carotid Endarterectomy	9	0.0	1.7	-----	11.1	3.3	-----	11.1	4.6	-----
Hip Replacement/Reconstruction	97	1.0	0.9	1.0	1.0	1.7	1.4	1.0	2.3	1.9
Open Reduction of Hip Fracture	4	0.0	9.4	-----	25.0	16.6	-----	25.0	21.8	-----
Prostatectomy	40	2.5	1.0	-----	2.5	2.5	-----	2.5	4.4	-----
Cholecystectomy	29	6.9	4.8	-----	10.3	10.1	-----	13.8	14.4	-----
Hysterectomy	42	0.0	1.7	-----	0.0	3.5	-----	0.0	5.3	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

INDIANA UNIVERSITY HOSPITALS

Medicare Provider Number: 150032

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	63.1 years
Proportion female	51.5 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	0.2 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	0.3 %
Admitted for emergency	19.6 %

COMORBIDITIES:	
Cancer	11.1 %
Chronic cardiovascular disease	25.7 %
Chronic liver disease	0.9 %
Chronic renal disease	11.0 %
Chronic pulmonary disease	4.9 %
Cerebrovascular degeneration	1.9 %
Diabetes mellitus	8.0 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	24.5%
State	67.0%
Outside State	8.5%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	8.5 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	590
Occupancy Rate	80.0 %
Ownership/Control	State Government
Medicare Discharges	18.5 %
Case Mix Index (CMI)	1.6492
STAFFING:	
Total Number of Physicians	572
Percent of Physicians Board Certified Specialists	74.3 %
Medical Residents/Interns	210
Registered Nurses	1170
Licensed Practical Nurses	89

SPECIALTY SERVICES:	
Burn Unit	Yes
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	Yes
Trauma Center	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	No
Rehabilitation	No
Psychiatric	Yes
Medicare Swing Beds	No

** Except for CMI

*** Not used in calculating mortality rates**

JACKSON COUNTY-SCHNECK MEMORIAL HOSPITAL

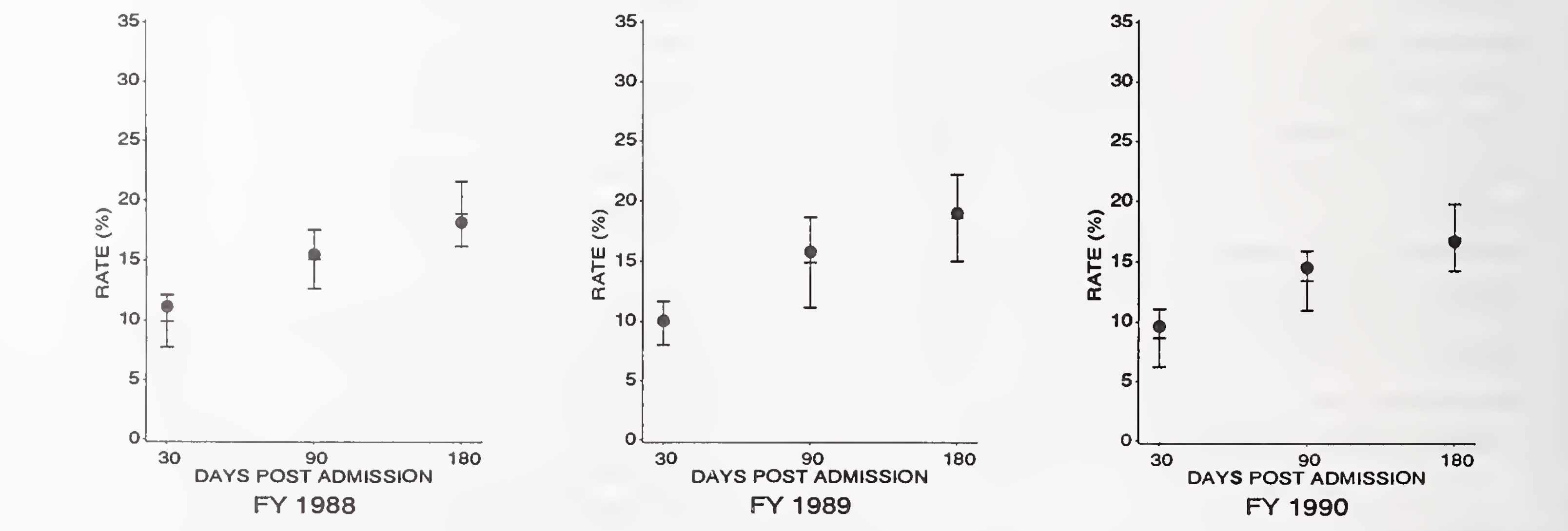
200 SOUTH WALNUT ST
SEYMOUR, IN 47274
Medicare Provider Number: 150065

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD*	90 DAYS OBS	PRED	SD*	180 DAYS OBS	PRED	SD*
ALL CAUSES	1112	9.6	8.6	1.2	14.5	13.4	1.2	16.7	17.0	1.4
CONDITIONS:										
Acute Myocardial Infarction	32	50.0	28.2	-----	50.0	31.2	-----	50.0	33.9	-----
Congestive Heart Failure	75	16.0	15.0	4.8	26.7	23.8	5.2	29.3	30.2	5.8
Pneumonia/Influenza	58	15.5	14.2	4.7	25.9	19.8	7.3	29.3	23.5	7.4
Chronic Obstructive Pulmonary Disease	26	3.8	6.3	-----	15.4	11.6	-----	19.2	16.0	-----
Transient Cerebral Ischemia	21	0.0	2.5	-----	0.0	5.5	-----	4.8	8.6	-----
Stroke	52	19.2	16.8	6.3	21.2	22.2	6.4	26.9	26.1	7.0
Hip Fracture	29	6.9	7.0	-----	20.7	12.5	-----	20.7	16.2	-----
Sepsis	10	20.0	23.5	-----	20.0	31.8	-----	20.0	37.1	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	3.2	-----	0.0	6.8	-----	0.0	9.6	-----
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	22	0.0	2.8	-----	4.5	5.5	-----	4.5	7.5	-----
Open Reduction of Hip Fracture	15	13.3	8.2	-----	33.3	14.8	-----	33.3	19.4	-----
Prostatectomy	24	0.0	0.7	-----	0.0	1.5	-----	4.2	2.6	-----
Cholecystectomy	25	0.0	1.5	-----	0.0	2.6	-----	0.0	3.5	-----
Hysterectomy	12	0.0	0.3	-----	0.0	0.7	-----	0.0	1.1	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases Is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



JACKSON COUNTY-SCHNECK MEMORIAL HOSPITAL

Medicare Provider Number: 150065

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	75.0 years	Cancer	5.9 %
Proportion female	55.5 %	Chronic cardiovascular disease	37.8 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	1.1 %
Referred by personal or HMO physician	39.7 %	Chronic renal disease	2.6 %
Transferred from skilled nursing facility	0.0 %	Chronic pulmonary disease	24.0 %
Admitted for elective procedure	7.9 %	Cerebrovascular degeneration	4.1 %
Admitted for emergency	1.1 %	Diabetes mellitus	9.3 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City	84.7%	Hospital	7.3 Days
State	14.0%	State	8.0 Days
Outside State	1.3%	National	8.6 Days
Total	100.0%		

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:		SPECIALTY SERVICES:	
Total Beds	106	Burn Unit	No
Occupancy Rate	62.0 %	Cardiac Intensive Care	No
Ownership/Control	Local Government	Comprehensive Geriatric	No
Medicare Discharges	(Not Available)	Hospice Care	No
Case Mix Index (CMI)	1.1002	Medical/Surgical Intensive Care	Yes
STAFFING:		Organ/Tissue Transplant	No
Total Number of Physicians	33	Other Intensive Care	No
Percent of Physicians Board Certified Specialists	78.8 %	Trauma Center	No
Medical Residents/Interns	0	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Registered Nurses	75	Alcohol/Drug	No
Licensed Practical Nurses	22	Rehabilitation	No
		Psychiatric	No
		Medicare Swing Beds	No

** Except for CMI

* Not used in calculating mortality rates

JASPER COUNTY HOSPITAL

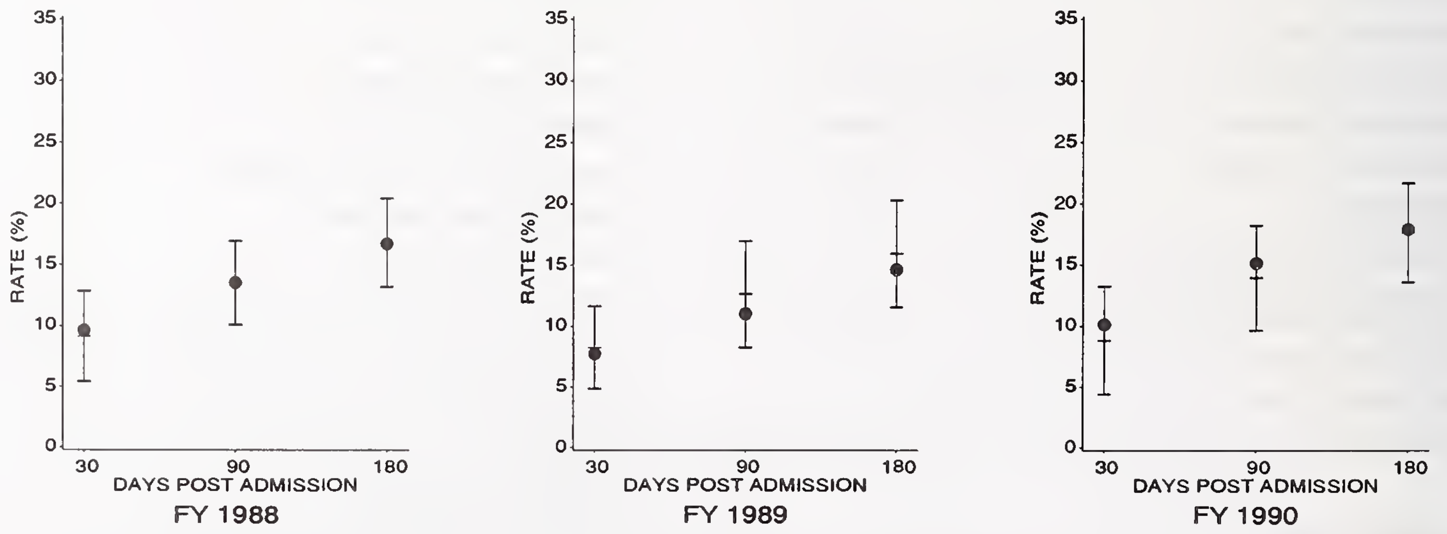
1104 EAST GRACE STREET
RENSSELAER, IN 47978
Medicare Provider Number: 150078

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	464	10.1	8.8	2.2	15.1	13.9	2.2	17.9	17.6	2.0
CONDITIONS:										
Acute Myocardial Infarction	10	30.0	30.7	-----	40.0	34.4	-----	40.0	37.7	-----
Congestive Heart Failure	33	27.3	13.8	-----	45.5	22.2	-----	51.5	28.0	-----
Pneumonia/Influenza	34	29.4	16.3	-----	32.4	22.8	-----	32.4	27.0	-----
Chronic Obstructive Pulmonary Disease	3	0.0	7.0	-----	33.3	12.2	-----	33.3	16.8	-----
Transient Cerebral Ischemia	10	0.0	1.0	-----	0.0	2.4	-----	0.0	4.3	-----
Stroke	16	31.3	21.2	-----	43.8	28.3	-----	50.0	32.3	-----
Hip Fracture	19	10.5	7.7	-----	10.5	13.8	-----	15.8	18.2	-----
Sepsis	8	12.5	19.6	-----	12.5	24.9	-----	12.5	28.6	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	16.7	6.7	-----	16.7	11.8	-----	16.7	15.6	-----
Open Reduction of Hip Fracture	10	0.0	6.2	-----	0.0	11.2	-----	10.0	14.6	-----
Prostatectomy	15	0.0	0.9	-----	0.0	2.0	-----	0.0	3.5	-----
Cholecystectomy	14	0.0	2.5	-----	0.0	5.2	-----	7.1	7.6	-----
Hysterectomy	5	0.0	0.1	-----	0.0	0.3	-----	0.0	0.6	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

JASPER COUNTY HOSPITAL
Medicare Provider Number: 150078

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	76.6 years
Proportion female	58.2 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	39.0 %
Transferred from skilled nursing facility	0.2 %
Admitted for elective procedure	15.7 %
Admitted for emergency	2.2 %

COMORBIDITIES:

Cancer	8.8 %
Chronic cardiovascular disease	34.3 %
Chronic liver disease	0.4 %
Chronic renal disease	1.5 %
Chronic pulmonary disease	26.7 %
Cerebrovascular degeneration	3.9 %
Diabetes mellitus	10.3 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	55.6%
State	41.1%
Outside State	3.3%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	5.5 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	73
Occupancy Rate	54.0 %
Ownership/Control	Local Government
Medicare Discharges	38.1 %
Case Mix Index (CMI)	1.0613

STAFFING:

Total Number of Physicians	14
Percent of Physicians Board Certified Specialists	85.7 %
Medical Residents/Interns	0
Registered Nurses	61
Licensed Practical Nurses	15

** Except for CMI

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

*** Not used in calculating mortality rates**

JAY COUNTY HOSPITAL

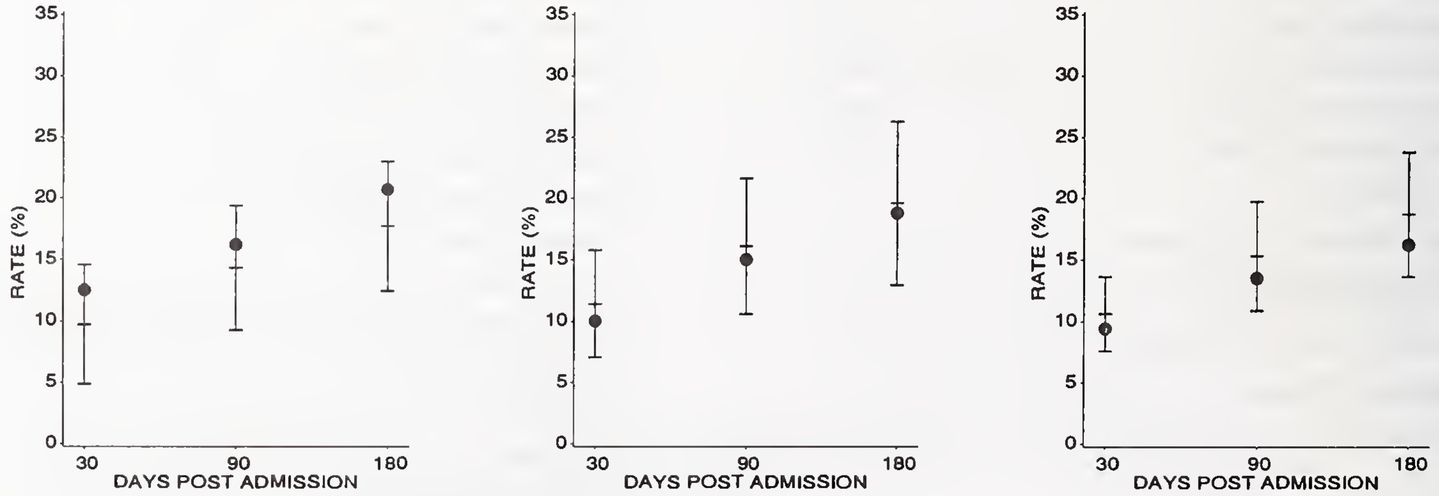
500 W VOTAW ST
PORTLAND, IN 47371
Medicare Provider Number: 150031

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	511	9.4	10.6	1.5	13.5	15.3	2.2	16.2	18.7	2.5
CONDITIONS:										
Acute Myocardial Infarction	21	19.0	28.3	-----	19.0	32.0	-----	33.3	35.3	-----
Congestive Heart Failure	35	17.1	15.0	-----	34.3	23.0	-----	37.1	29.0	-----
Pneumonia/Influenza	49	22.4	15.1	-----	24.5	20.2	-----	26.5	23.5	-----
Chronic Obstructive Pulmonary Disease	13	15.4	10.1	-----	23.1	16.6	-----	23.1	21.5	-----
Transient Cerebral Ischemia	5	0.0	2.6	-----	0.0	5.5	-----	0.0	8.1	-----
Stroke	21	19.0	24.5	-----	28.6	30.3	-----	28.6	33.9	-----
Hip Fracture	0									
Sepsis	12	8.3	21.6	-----	33.3	29.2	-----	50.0	33.4	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	12	0.0	1.7	-----	0.0	2.9	-----	0.0	3.7	-----
Hysterectomy	1	0.0	0.2	-----	0.0	0.5	-----	0.0	0.8	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988 FY 1989 FY 1990

JAY COUNTY HOSPITAL

Medicare Provider Number: 150031

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	76.3 years
Proportion female	61.8 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	39.9 %
Transferred from skilled nursing facility	0.2 %
Admitted for elective procedure	0.0 %
Admitted for emergency	58.3 %

COMORBIDITIES:

Cancer	4.7 %
Chronic cardiovascular disease	40.9 %
Chronic liver disease	1.0 %
Chronic renal disease	2.7 %
Chronic pulmonary disease	16.4 %
Cerebrovascular degeneration	3.9 %
Diabetes mellitus	10.6 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	75.2%
State	21.7%
Outside State	3.1%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	6.2 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	65
Occupancy Rate	35.0 %
Ownership/Control	Local Government
Medicare Discharges	35.8 %
Case Mix Index (CMI)	1.1086

STAFFING:

Total Number of Physicians	2
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	0
Registered Nurses	30
Licensed Practical Nurses	13

** Except for CMI

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

*** Not used in calculating mortality rates**

JENNINGS COMMUNITY HOSPITAL

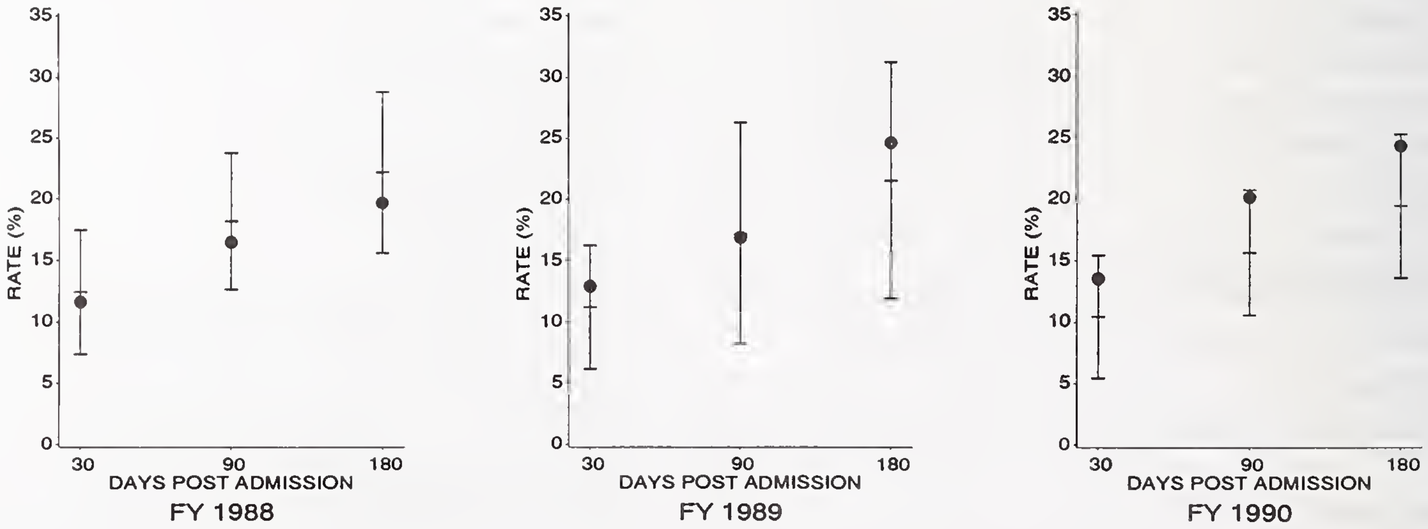
301 HENRY STREET
NORTH VERNON, IN 47265
Medicare Provider Number: 150127

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	30 DAYS OBS	30 DAYS PRED	30 DAYS SD*	90 DAYS OBS	90 DAYS PRED	90 DAYS SD*	180 DAYS OBS	180 DAYS PRED	180 DAYS SD*
ALL CAUSES	259	13.5	10.4	2.5	20.1	15.6	2.6	24.3	19.4	2.9
CONDITIONS:										
Acute Myocardial Infarction	17	29.4	22.8	-----	35.3	25.5	-----	35.3	28.2	-----
Congestive Heart Failure	24	12.5	14.7	-----	29.2	23.1	-----	41.7	29.2	-----
Pneumonia/Influenza	36	13.9	9.0	-----	25.0	13.3	-----	30.6	16.5	-----
Chronic Obstructive Pulmonary Disease	2	0.0	6.9	-----	0.0	13.0	-----	0.0	16.8	-----
Transient Cerebral Ischemia	1	0.0	2.0	-----	0.0	4.3	-----	0.0	7.1	-----
Stroke	9	11.1	21.6	-----	22.2	28.2	-----	33.3	32.8	-----
Hip Fracture	0									
Sepsis	2	0.0	24.1	-----	0.0	33.5	-----	0.0	40.7	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	3	0.0	0.7	-----	0.0	1.7	-----	0.0	3.2	-----
Cholecystectomy	8	12.5	2.2	-----	12.5	3.7	-----	12.5	4.7	-----
Hysterectomy	2	0.0	0.1	-----	0.0	0.3	-----	0.0	0.6	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



JENNINGS COMMUNITY HOSPITAL
Medicare Provider Number: 150127

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	76.3 years
Proportion female	56.4 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	92.3 %
Transferred from skilled nursing facility	2.7 %
Admitted for elective procedure	36.7 %
Admitted for emergency	16.2 %

COMORBIDITIES:

Cancer	5.0 %
Chronic cardiovascular disease	50.2 %
Chronic liver disease	0.4 %
Chronic renal disease	1.9 %
Chronic pulmonary disease	26.6 %
Cerebrovascular degeneration	3.9 %
Diabetes mellitus	8.1 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	84.8%
State	13.7%
Outside State	1.5%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	7.1 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	48
Occupancy Rate	20.0 %
Ownership.Control	Private, Non-Profit
Medicare Discharges	(Not Available)
Case Mix Index (CMI)	1.2110

STAFFING:

Total Number of Physicians	(Not Available)
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	(Not Available)
Registered Nurses	(Not Available)
Licensed Practical Nurses	(Not Available)

** Except for CMI

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

*** Not used in calculating mortality rates**

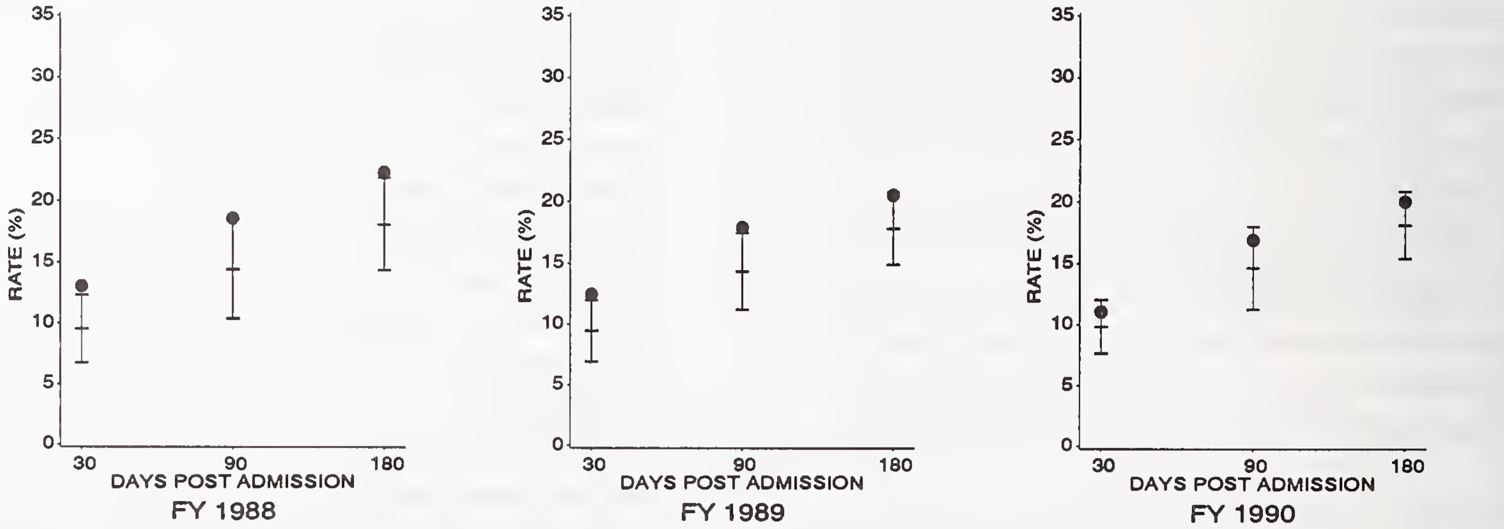
JOHNSON MEMORIAL HOSPITAL
1125 WEST JEFFERSON ST
FRANKLIN, IN 46131
Medicare Provider Number: 150001

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	1000	11.0	9.8	1.1	16.9	14.6	1.7	20.0	18.1	1.4
CONDITIONS:										
Acute Myocardial Infarction	37	16.2	23.2	-----	24.3	26.1	-----	24.3	28.8	-----
Congestive Heart Failure	40	15.0	14.6	-----	20.0	22.5	-----	22.5	28.9	-----
Pneumonia/Influenza	75	17.3	15.2	7.1	26.7	21.3	9.1	30.7	25.2	8.8
Chronic Obstructive Pulmonary Disease	22	13.6	6.8	-----	27.3	11.8	-----	27.3	15.9	-----
Transient Cerebral Ischemia	12	0.0	1.5	-----	0.0	3.5	-----	0.0	5.8	-----
Stroke	37	13.5	19.1	-----	18.9	25.6	-----	18.9	29.7	-----
Hip Fracture	37	5.4	5.6	-----	10.8	10.1	-----	13.5	13.3	-----
Sepsis	11	0.0	25.1	-----	18.2	32.9	-----	18.2	37.9	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	4.9	-----	14.3	9.4	-----	14.3	13.1	-----
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	100.0	9.6	-----	100.0	19.5	-----	100.0	27.2	-----
Open Reduction of Hip Fracture	34	2.9	4.5	-----	8.8	8.6	-----	11.8	11.6	-----
Prostatectomy	38	2.6	0.9	-----	2.6	2.0	-----	5.3	3.5	-----
Cholecystectomy	16	0.0	5.1	-----	0.0	8.4	-----	0.0	10.5	-----
Hysterectomy	9	0.0	0.3	-----	0.0	0.8	-----	0.0	1.3	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

JOHNSON MEMORIAL HOSPITAL

Medicare Provider Number: 150001

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	76.7 years
Proportion female	61.1 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	38.7 %
Transferred from skilled nursing facility	0.3 %
Admitted for elective procedure	18.1 %
Admitted for emergency	61.1 %

COMORBIDITIES:	
Cancer	7.1 %
Chronic cardiovascular disease	31.5 %
Chronic liver disease	0.6 %
Chronic renal disease	1.3 %
Chronic pulmonary disease	14.1 %
Cerebrovascular degeneration	6.7 %
Diabetes mellitus	6.8 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	78.2%
State	20.2%
Outside State	1.6%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	6.2 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	140
Occupancy Rate	57.0 %
Ownership/Control	Local Government
Medicare Discharges	42.4 %
Case Mix Index (CMI)	1.1112
STAFFING:	
Total Number of Physicians	43
Percent of Physicians Board Certified Specialists	62.8 %
Medical Residents/Interns	0
Registered Nurses	72
Licensed Practical Nurses	13

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	Yes

** Except for CMI

* Not used in calculating mortality rates

KENDRICK MEMORIAL HOSPITAL

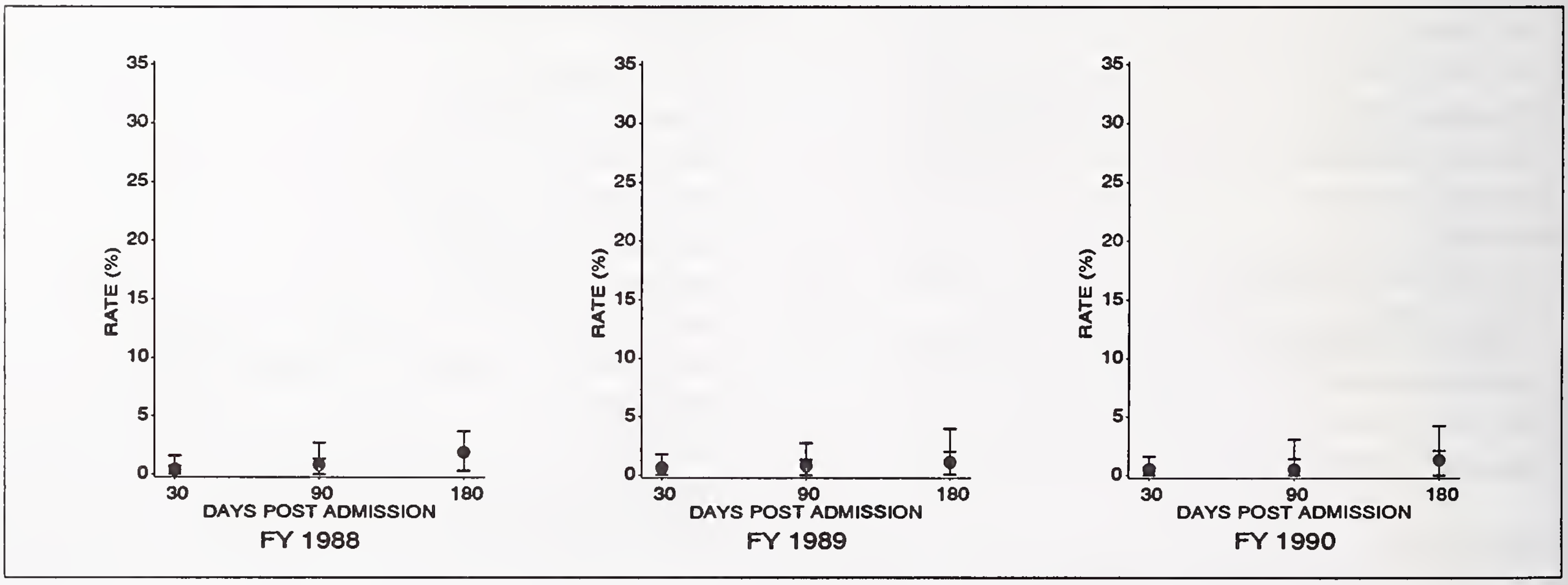
1201 HADLEY ROAD
MOORESVILLE, IN 46158
Medicare Provider Number: 150057

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	557	0.5	0.7	0.5	0.5	1.4	0.8	1.3	2.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	4	0.0	3.7	-----	0.0	7.1	-----	0.0	9.8	-----
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	165	0.6	0.6	0.6	0.6	1.1	1.0	1.2	1.6	1.4
Open Reduction of Hip Fracture	1	0.0	1.5	-----	0.0	3.1	-----	0.0	4.8	-----
Prostatectomy	1	0.0	0.2	-----	0.0	0.4	-----	0.0	0.8	-----
Cholecystectomy	1	0.0	0.1	-----	0.0	0.1	-----	0.0	0.2	-----
Hysterectomy	0									

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



KENDRICK MEMORIAL HOSPITAL

Medicare Provider Number: 150057

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	72.0 years
Proportion female	59.2 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	97.7 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	97.8 %
Admitted for emergency	0.0 %

COMORBIDITIES:

Cancer	1.6 %
Chronic cardiovascular disease	17.2 %
Chronic liver disease	0.0 %
Chronic renal disease	0.2 %
Chronic pulmonary disease	16.9 %
Cerebrovascular degeneration	0.7 %
Diabetes mellitus	3.6 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	4.6%
State	88.1%
Outside State	7.3%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	6.2 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	60
Occupancy Rate	36.0 %
Ownership.Control	Private, Non-Profit
Medicare Discharges	53.6 %
Case Mix Index (CMI)	2.2445

STAFFING:

Total Number of Physicians	20
Percent of Physicians Board Certified Specialists	70.0 %
Medical Residents/Interns	0
Registered Nurses	62
Licensed Practical Nurses	7

** Except for CMI

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

*** Not used in calculating mortality rates**

KOSCIUSKO COMMUNITY HOSPITAL INC

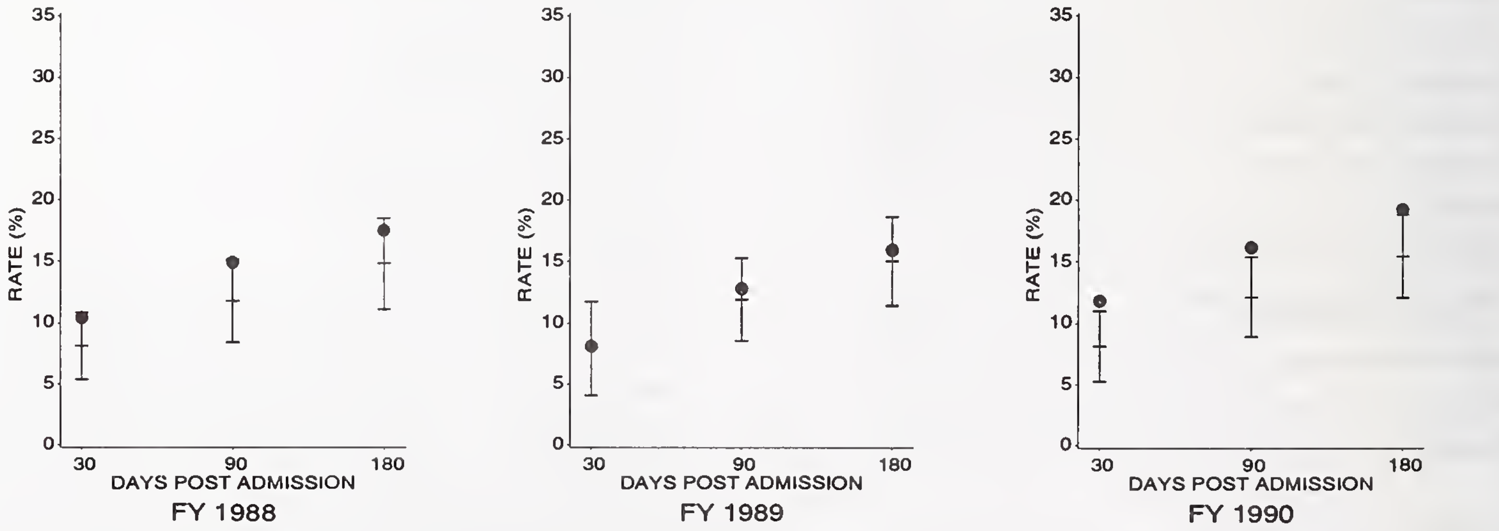
2101 EAST DUBOIS DRIVE
WARSAW, IN 46580
Medicare Provider Number: 150133

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD*	90 DAYS OBS	90 DAYS PRED	90 DAYS SD*	180 DAYS OBS	180 DAYS PRED	180 DAYS SD*
ALL CAUSES	770	11.8	8.1	1.4	16.1	12.1	1.6	19.2	15.4	1.7
CONDITIONS:										
Acute Myocardial Infarction	31	29.0	25.9	-----	29.0	28.5	-----	32.3	31.2	-----
Congestive Heart Failure	40	20.0	14.4	-----	27.5	22.3	-----	35.0	28.5	-----
Pneumonia/Influenza	63	20.6	13.2	7.4	27.0	18.0	9.2	30.2	21.8	9.8
Chronic Obstructive Pulmonary Disease	17	0.0	6.5	-----	11.8	11.9	-----	17.6	16.4	-----
Transient Cerebral Ischemia	11	0.0	1.7	-----	0.0	3.7	-----	0.0	6.1	-----
Stroke	28	14.3	17.2	-----	17.9	22.9	-----	17.9	26.7	-----
Hip Fracture	34	8.8	5.8	-----	14.7	9.9	-----	20.6	12.9	-----
Sepsis	6	33.3	25.1	-----	33.3	31.1	-----	33.3	35.4	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	2.1	-----	0.0	4.0	-----	0.0	6.0	-----
Carotid Endarterectomy	1	0.0	0.9	-----	0.0	2.0	-----	0.0	3.3	-----
Hip Replacement/Reconstruction	22	0.0	5.4	-----	9.1	9.5	-----	13.6	12.5	-----
Open Reduction of Hip Fracture	13	0.0	6.0	-----	0.0	10.0	-----	15.4	12.6	-----
Prostatectomy	22	0.0	1.6	-----	0.0	3.8	-----	0.0	6.4	-----
Cholecystectomy	18	5.6	3.3	-----	5.6	6.1	-----	5.6	8.2	-----
Hysterectomy	14	0.0	0.2	-----	0.0	0.5	-----	0.0	0.8	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases Is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



KOSCIUSKO COMMUNITY HOSPITAL INC
Medicare Provider Number: 150133

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	75.4 years
Proportion female	59.4 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	48.3 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	48.2 %
Admitted for emergency	0.1 %

COMORBIDITIES:	
Cancer	6.5 %
Chronic cardiovascular disease	42.6 %
Chronic liver disease	0.6 %
Chronic renal disease	1.7 %
Chronic pulmonary disease	14.5 %
Cerebrovascular degeneration	3.6 %
Diabetes mellitus	7.8 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	83.1%
State	13.1%
Outside State	3.8%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	6.1 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	127
Occupancy Rate	36.0 %
Ownership.Control	Private, Non-Profit
Medicare Discharges	31.6 %
Case Mix Index (CMI)	1.2196
STAFFING:	
Total Number of Physicians	34
Percent of Physicians Board Certified Specialists	58.8 %
Medical Residents/Interns	0
Registered Nurses	85
Licensed Practical Nurses	10

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	Yes
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	Yes
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

** Except for CMI

* Not used in calculating mortality rates

LA PORTE HOSPITAL

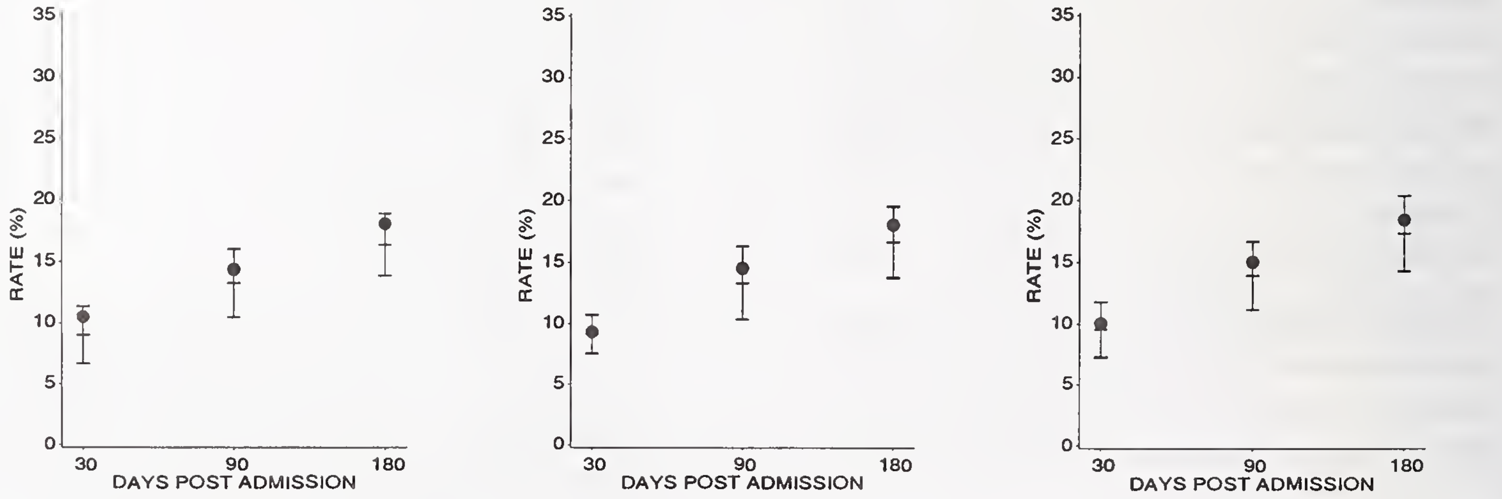
STATE AND MADISON AVE
LA PORTE, IN 46350
Medicare Provider Number: 150006

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	1316	10.0	9.5	1.1	15.0	13.9	1.4	18.4	17.3	1.5
CONDITIONS:										
Acute Myocardial Infarction	57	24.6	26.0	6.4	26.3	29.1	6.7	29.8	32.1	7.0
Congestive Heart Failure	62	11.3	13.6	4.6	17.7	21.2	5.9	27.4	27.4	6.9
Pneumonia/Influenza	109	16.5	15.2	3.9	21.1	20.9	4.0	22.9	24.8	4.2
Chronic Obstructive Pulmonary Disease	24	8.3	4.5	-----	12.5	8.5	-----	16.7	12.3	-----
Transient Cerebral Ischemia	18	0.0	1.3	-----	5.6	3.0	-----	5.6	5.0	-----
Stroke	48	31.3	19.2	-----	35.4	25.7	-----	41.7	29.8	-----
Hip Fracture	41	7.3	6.5	-----	12.2	11.8	-----	14.6	15.7	-----
Sepsis	25	20.0	26.7	-----	44.0	34.8	-----	48.0	39.8	-----
PROCEDURES:										
Angioplasty	1	0.0	11.0	-----	0.0	12.4	-----	0.0	13.7	-----
Coronary Artery Bypass Graft	1	0.0	1.8	-----	0.0	3.5	-----	0.0	4.9	-----
Initial Pacemaker Insertion	9	0.0	2.0	-----	0.0	4.4	-----	11.1	6.9	-----
Carotid Endarterectomy	6	0.0	0.7	-----	0.0	1.4	-----	0.0	2.1	-----
Hip Replacement/Reconstruction	28	3.6	3.7	-----	3.6	6.8	-----	7.1	9.2	-----
Open Reduction of Hip Fracture	22	9.1	6.6	-----	18.2	12.7	-----	18.2	17.4	-----
Prostatectomy	48	0.0	1.1	-----	4.2	2.3	-----	4.2	3.8	-----
Cholecystectomy	27	0.0	1.9	-----	3.7	3.5	-----	7.4	4.7	-----
Hysterectomy	15	0.0	0.2	-----	0.0	0.5	-----	0.0	0.9	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988 FY 1989 FY 1990

LA PORTE HOSPITAL

Medicare Provider Number: 150006

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	75.1 years
Proportion female	56.2 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	41.2 %
Transferred from skilled nursing facility	0.6 %
Admitted for elective procedure	37.7 %
Admitted for emergency	52.6 %

COMORBIDITIES:

Cancer	6.8 %
Chronic cardiovascular disease	32.1 %
Chronic liver disease	1.0 %
Chronic renal disease	2.4 %
Chronic pulmonary disease	16.0 %
Cerebrovascular degeneration	3.3 %
Diabetes mellitus	6.8 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	77.4%
State	18.5%
Outside State	4.1%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	6.8 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	227
Occupancy Rate	55.0 %
Ownership.Control	Private, Non-Profit
Medicare Discharges	35.6 %
Case Mix Index (CMI)	1.2371

STAFFING:

Total Number of Physicians	68
Percent of Physicians Board Certified Specialists	48.5 %
Medical Residents/Interns	0
Registered Nurses	124
Licensed Practical Nurses	18

** Except for CMI

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	Yes
Psychiatric	Yes
Medicare Swing Beds	Yes

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* Not used in calculating mortality rates

LAFAYETTE HOME HOSPITAL INC

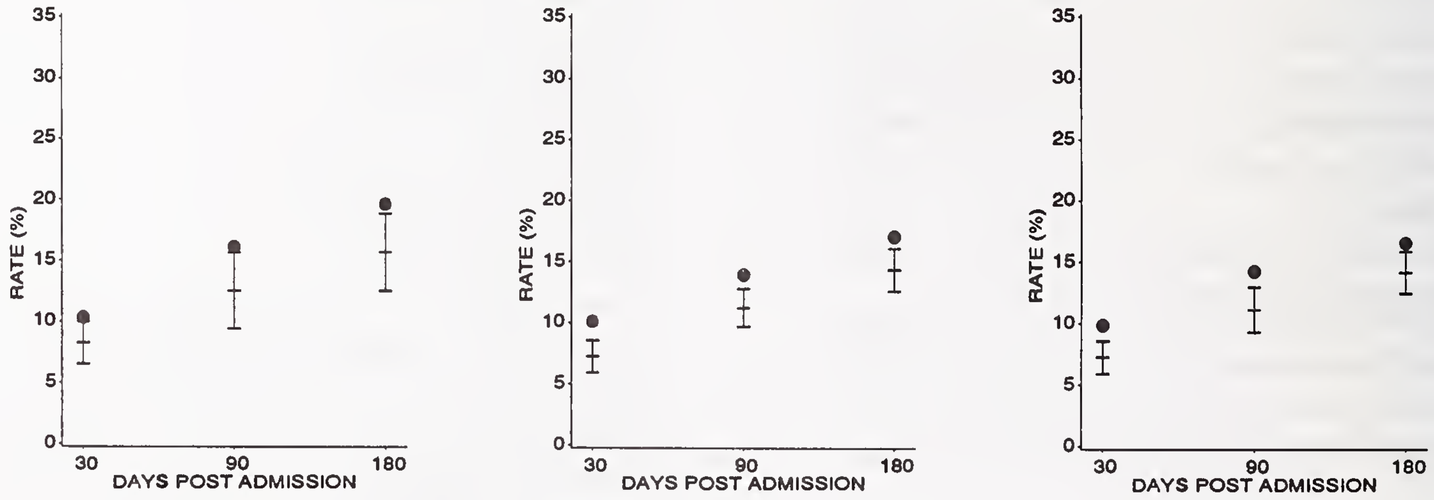
2400 SOUTH ST
LAFAYETTE, IN 47902
Medicare Provider Number: 150109

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	1819	9.8	7.2	0.7	14.2	11.1	0.9	16.5	14.1	0.9
CONDITIONS:										
Acute Myocardial Infarction	47	38.3	26.9	-----	38.3	30.4	-----	42.6	33.5	-----
Congestive Heart Failure	70	18.6	13.4	6.7	22.9	21.6	6.5	27.1	27.8	6.1
Pneumonia/Influenza	82	15.9	11.8	6.3	23.2	16.4	6.9	24.4	19.7	6.1
Chronic Obstructive Pulmonary Disease	33	9.1	6.5	-----	18.2	11.8	-----	18.2	15.9	-----
Transient Cerebral Ischemia	20	0.0	1.0	-----	0.0	2.3	-----	5.0	4.0	-----
Stroke	64	31.3	17.3	7.3	32.8	22.8	6.6	34.4	26.5	6.3
Hip Fracture	65	3.1	4.3	3.0	6.2	7.9	4.3	7.7	10.7	4.6
Sepsis	15	20.0	17.6	-----	20.0	22.6	-----	20.0	26.6	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	2.9	-----	9.1	5.1	-----	18.2	7.4	-----
Carotid Endarterectomy	11	0.0	1.5	-----	0.0	2.8	-----	9.1	4.3	-----
Hip Replacement/Reconstruction	71	1.4	1.7	1.5	1.4	3.1	2.5	1.4	4.4	3.5
Open Reduction of Hip Fracture	13	0.0	4.9	-----	7.7	9.2	-----	15.4	12.5	-----
Prostatectomy	101	0.0	0.7	1.0	0.0	1.6	1.7	1.0	2.8	2.1
Cholecystectomy	31	0.0	1.6	-----	6.5	3.2	-----	6.5	4.5	-----
Hysterectomy	21	0.0	0.3	-----	0.0	0.7	-----	0.0	1.1	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988 FY 1989 FY 1990

LAFAYETTE HOME HOSPITAL INC
Medicare Provider Number: 150109

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	73.7 years
Proportion female	55.0 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	85.3 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	14.8 %
Admitted for emergency	0.4 %

COMORBIDITIES:

Cancer	6.4 %
Chronic cardiovascular disease	29.7 %
Chronic liver disease	0.8 %
Chronic renal disease	2.0 %
Chronic pulmonary disease	15.4 %
Cerebrovascular degeneration	4.8 %
Diabetes mellitus	6.5 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	56.5%
State	41.2%
Outside State	2.3%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	7.7 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	377
Occupancy Rate	49.0 %
Ownership.Control	Private, Non-Profit
Medicare Discharges	26.2 %
Case Mix Index (CMI)	1.2781

STAFFING:

Total Number of Physicians	185
Percent of Physicians Board Certified Specialists	72.4 %
Medical Residents/Interns	0
Registered Nurses	289
Licensed Practical Nurses	42

** Except for CMI

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

*** Not used in calculating mortality rates**

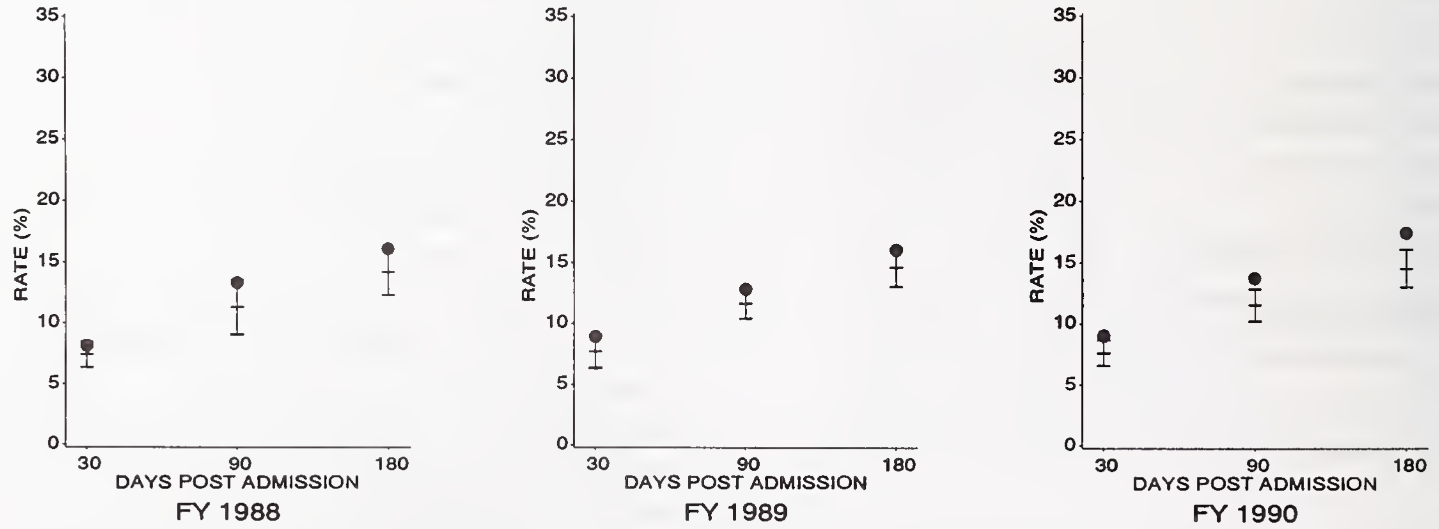
LUTHERAN HOSPITAL OF INDIANA INC
3024 FAIRFIELD AVE
FORT WAYNE, IN 46807
Medicare Provider Number: 150017

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD*	90 DAYS OBS	90 DAYS PRED	90 DAYS SD*	180 DAYS OBS	180 DAYS PRED	180 DAYS SD*
ALL CAUSES	3746	9.0	7.6	0.5	13.7	11.5	0.7	17.4	14.5	0.8
CONDITIONS:										
Acute Myocardial Infarction	119	21.0	21.7	4.1	23.5	24.3	4.4	26.1	26.7	4.8
Congestive Heart Failure	174	25.3	14.1	5.6	31.0	22.5	4.5	37.4	28.7	4.8
Pneumonia/Influenza	91	15.4	16.8	4.4	20.9	22.9	5.1	26.4	27.2	4.7
Chronic Obstructive Pulmonary Disease	30	3.3	5.5	-----	10.0	9.8	-----	23.3	13.5	-----
Transient Cerebral Ischemia	30	0.0	1.4	-----	3.3	3.1	-----	3.3	5.2	-----
Stroke	135	20.0	20.9	4.0	27.4	27.1	3.9	31.1	30.5	4.0
Hip Fracture	125	10.4	6.4	3.7	18.4	11.4	4.6	20.8	14.9	4.5
Sepsis	28	21.4	27.3	-----	32.1	34.9	-----	39.3	40.0	-----
PROCEDURES:										
Angioplasty	123	4.1	2.6	2.0	4.1	3.4	2.0	4.1	4.2	2.1
Coronary Artery Bypass Graft	92	7.6	4.6	4.7	10.9	6.4	5.1	13.0	7.3	5.5
Initial Pacemaker Insertion	51	5.9	3.2	4.0	11.8	6.1	6.4	11.8	8.6	8.6
Carotid Endarterectomy	23	0.0	1.1	-----	4.3	2.2	-----	4.3	3.4	-----
Hip Replacement/Reconstruction	120	5.0	2.1	2.2	9.2	4.0	2.9	10.8	5.5	3.4
Open Reduction of Hip Fracture	59	6.8	6.5	3.8	13.6	12.0	4.4	16.9	15.8	4.9
Prostatectomy	102	1.0	0.8	0.9	1.0	2.0	2.1	2.9	3.2	2.3
Cholecystectomy	64	3.1	2.6	2.4	6.3	4.5	3.1	6.3	6.2	3.6
Hysterectomy	37	0.0	0.5	-----	2.7	1.1	-----	5.4	1.8	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases Is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

LUTHERAN HOSPITAL OF INDIANA INC

Medicare Provider Number: 150017

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	72.4 years	Cancer	6.3 %
Proportion female	53.6 %	Chronic cardiovascular disease	29.6 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.7 %
Referred by personal or HMO physician	50.3 %	Chronic renal disease	6.5 %
Transferred from skilled nursing facility	0.9 %	Chronic pulmonary disease	8.4 %
Admitted for elective procedure	55.5 %	Cerebrovascular degeneration	2.5 %
Admitted for emergency	41.8 %	Diabetes mellitus	6.8 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City	53.5%	Hospital	8.9 Days
State	36.1%	State	8.0 Days
Outside State	10.4%	National	8.6 Days
Total	100.0%		

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:		SPECIALTY SERVICES:	
Total Beds	443	Burn Unit	No
Occupancy Rate	67.0 %	Cardiac Intensive Care	Yes
Ownership/Control	Church	Comprehensive Geriatric	No
Medicare Discharges	36.2 %	Hospice Care	No
Case Mix Index (CMI)	1.5586	Medical/Surgical Intensive Care	Yes
STAFFING:		Organ/Tissue Transplant	Yes
Total Number of Physicians	226	Other Intensive Care	Yes
Percent of Physicians Board Certified Specialists	78.8 %	Trauma Center	No
		OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Medical Residents/Interns	8	Alcohol/Drug	Yes
Registered Nurses	543	Rehabilitation	No
Licensed Practical Nurses	59	Psychiatric	Yes
		Medicare Swing Beds	No

** Except for CMI

*** Not used in calculating mortality rates**

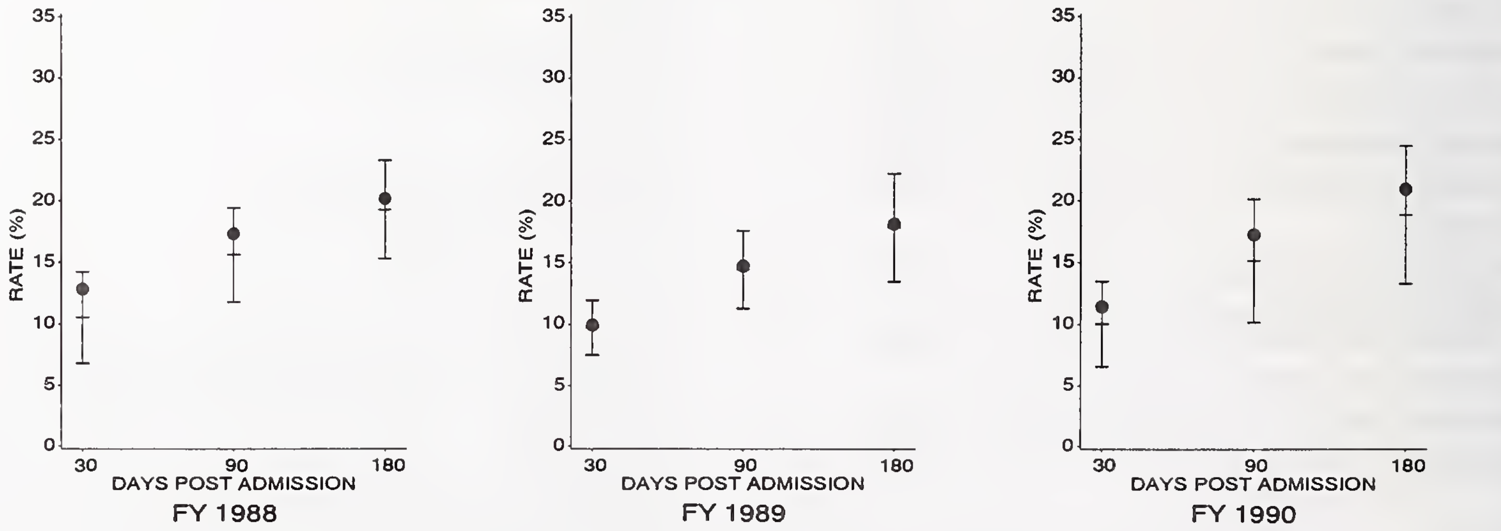
MAJOR HOSPITAL
150 WEST WASHINGTON STREET
SHELBYVILLE, IN 46176
Medicare Provider Number: 150097

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD*	90 DAYS OBS	90 DAYS PRED	90 DAYS SD*	180 DAYS OBS	180 DAYS PRED	180 DAYS SD*
ALL CAUSES	727	11.4	10.0	1.7	17.2	15.1	2.5	20.9	18.8	2.8
CONDITIONS:										
Acute Myocardial Infarction	21	38.1	24.9	-----	42.9	28.9	-----	47.6	31.9	-----
Congestive Heart Failure	48	10.4	11.9	-----	25.0	18.9	-----	37.5	24.4	-----
Pneumonia/Influenza	48	12.5	15.8	-----	16.7	21.9	-----	16.7	25.8	-----
Chronic Obstructive Pulmonary Disease	26	7.7	9.8	-----	15.4	17.1	-----	19.2	22.4	-----
Transient Cerebral Ischemia	13	0.0	1.6	-----	0.0	3.7	-----	7.7	6.2	-----
Stroke	43	25.6	17.3	-----	37.2	24.7	-----	41.9	29.0	-----
Hip Fracture	14	14.3	7.3	-----	21.4	12.7	-----	21.4	16.1	-----
Sepsis	4	50.0	29.3	-----	50.0	36.9	-----	75.0	41.5	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	25.0	8.3	-----	50.0	14.8	-----	50.0	19.0	-----
Open Reduction of Hip Fracture	8	0.0	5.0	-----	0.0	9.5	-----	0.0	12.4	-----
Prostatectomy	13	0.0	0.7	-----	0.0	1.6	-----	0.0	2.7	-----
Cholecystectomy	12	0.0	3.9	-----	0.0	6.9	-----	0.0	8.8	-----
Hysterectomy	5	0.0	0.1	-----	0.0	0.3	-----	0.0	0.6	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

MAJOR HOSPITAL

Medicare Provider Number: 150097

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	76.2 years
Proportion female	58.7 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	38.2 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	21.0 %
Admitted for emergency	60.9 %

COMORBIDITIES:

Cancer	5.6 %
Chronic cardiovascular disease	34.1 %
Chronic liver disease	1.0 %
Chronic renal disease	1.1 %
Chronic pulmonary disease	17.9 %
Cerebrovascular degeneration	6.1 %
Diabetes mellitus	5.5 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	78.1%
State	19.9%
Outside State	2.0%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	6.6 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	73
Occupancy Rate	47.0 %
Ownership/Control	Local Government
Medicare Discharges	44.9 %
Case Mix Index (CMI)	1.1038

STAFFING:

Total Number of Physicians	23
Percent of Physicians Board Certified Specialists	73.9 %
Medical Residents/Interns	0
Registered Nurses	53
Licensed Practical Nurses	16

** Except for CMI

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

*** Not used in calculating mortality rates**

MARGARET MARY COMMUNITY HOSPITAL

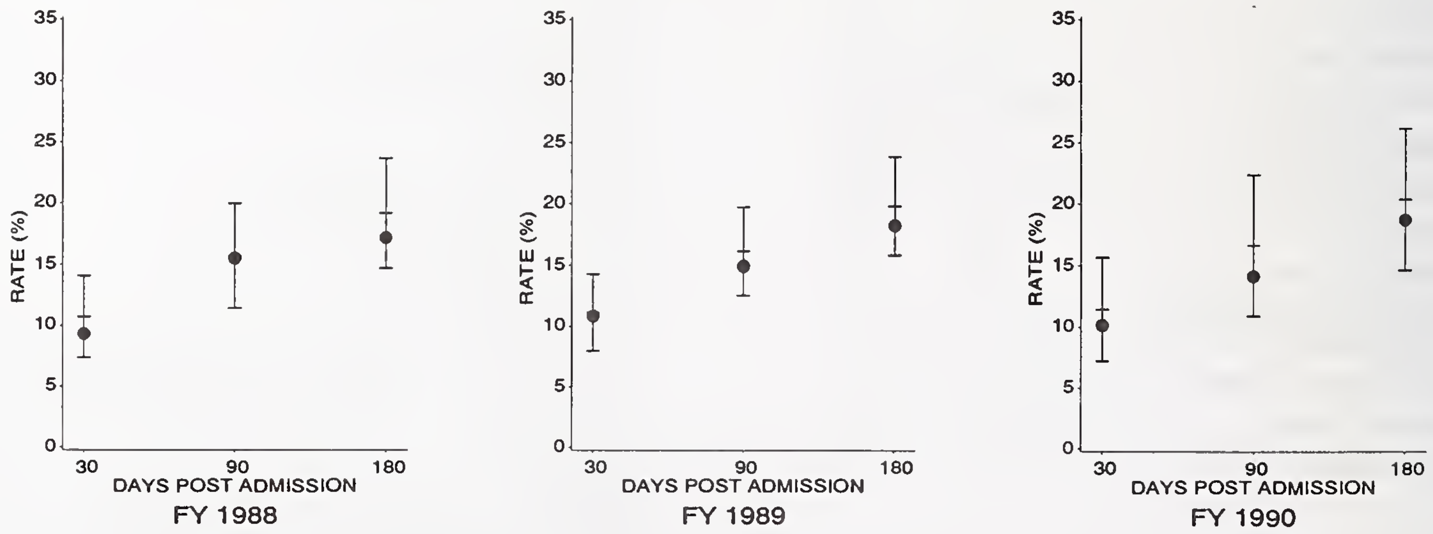
321 MITCHEL AVENUE
BATESVILLE, IN 47006
Medicare Provider Number: 150122

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	454	10.1	11.4	2.1	14.1	16.6	2.9	18.7	20.4	2.9
CONDITIONS:										
Acute Myocardial Infarction	15	40.0	33.0	-----	46.7	35.8	-----	46.7	38.3	-----
Congestive Heart Failure	33	12.1	17.1	-----	18.2	26.8	-----	24.2	33.6	-----
Pneumonia/Influenza	41	4.9	17.3	-----	9.8	23.9	-----	22.0	28.6	-----
Chronic Obstructive Pulmonary Disease	13	0.0	4.1	-----	7.7	8.0	-----	15.4	11.9	-----
Transient Cerebral Ischemia	10	0.0	1.6	-----	0.0	3.7	-----	0.0	6.0	-----
Stroke	21	19.0	27.2	-----	23.8	33.9	-----	38.1	38.4	-----
Hip Fracture	16	0.0	8.4	-----	12.5	14.6	-----	12.5	18.9	-----
Sepsis	3	33.3	14.9	-----	33.3	18.3	-----	33.3	21.7	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	7.5	-----	0.0	14.0	-----	0.0	18.4	-----
Open Reduction of Hip Fracture	8	0.0	9.0	-----	25.0	15.6	-----	25.0	20.1	-----
Prostatectomy	7	0.0	1.5	-----	0.0	3.0	-----	0.0	4.9	-----
Cholecystectomy	7	0.0	2.7	-----	0.0	5.4	-----	14.3	7.1	-----
Hysterectomy	8	0.0	0.8	-----	0.0	1.4	-----	0.0	2.2	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



MARGARET MARY COMMUNITY HOSPITAL

Medicare Provider Number: 150122

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	77.0 years	Cancer	7.0 %
Proportion female	59.7 %	Chronic cardiovascular disease	41.9 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.4 %
Referred by personal or HMO physician	32.6 %	Chronic renal disease	2.9 %
Transferred from skilled nursing facility	1.5 %	Chronic pulmonary disease	16.7 %
Admitted for elective procedure	6.2 %	Cerebrovascular degeneration	5.3 %
Admitted for emergency	62.6 %	Diabetes mellitus	8.4 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City	65.7%	Hospital	5.6 Days
State	30.7%	State	8.0 Days
Outside State	3.6%	National	8.6 Days
Total	100.0%		

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:		SPECIALTY SERVICES:	
Total Beds	109	Burn Unit	No
Occupancy Rate	56.0 %	Cardiac Intensive Care	No
Ownership.Control	Private, Non-Profit	Comprehensive Geriatric	No
Medicare Discharges	35.4 %	Hospice Care	No
Case Mix Index (CMI)	1.1083	Medical/Surgical Intensive Care	Yes
STAFFING:		Organ/Tissue Transplant	No
Total Number of Physicians	14	Other Intensive Care	No
Percent of Physicians Board Certified Specialists	35.7 %	Trauma Center	No
		OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Medical Residents/Interns	0	Alcohol/Drug	Yes
Registered Nurses	32	Rehabilitation	No
Licensed Practical Nurses	9	Psychiatric	No
		Medicare Swing Beds	Yes

** Except for CMI

* Not used in calculating mortality rates

MARION GENERAL HOSPITAL

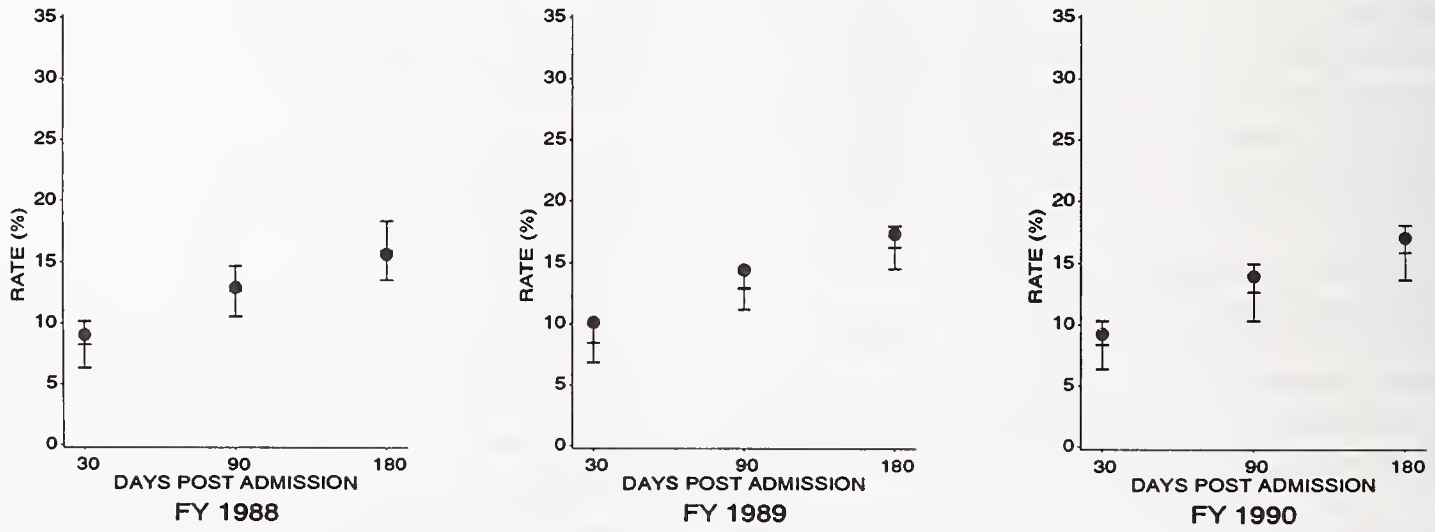
WABASH AT EUCLID AVENUE
MARION, IN 46952
Medicare Provider Number: 150011

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD*	90 DAYS OBS	PRED	SD*	180 DAYS OBS	PRED	SD*
ALL CAUSES	2248	9.2	8.3	1.0	13.9	12.6	1.2	17.0	15.8	1.1
CONDITIONS:										
Acute Myocardial Infarction	62	32.3	27.7	6.1	33.9	30.4	6.1	37.1	33.0	6.3
Congestive Heart Failure	158	14.6	14.7	5.8	27.2	23.1	6.4	33.5	29.2	7.6
Pneumonia/Influenza	126	14.3	14.4	3.9	19.0	19.6	3.8	23.0	23.3	4.4
Chronic Obstructive Pulmonary Disease	49	8.2	7.2	-----	14.3	12.4	-----	18.4	16.7	-----
Transient Cerebral Ischemia	40	0.0	2.3	-----	5.0	5.0	-----	10.0	7.8	-----
Stroke	80	31.3	19.6	6.5	40.0	26.2	7.3	41.2	30.1	7.1
Hip Fracture	51	5.9	7.8	4.5	13.7	13.6	5.0	15.7	17.7	5.9
Sepsis	23	13.0	27.5	-----	26.1	36.1	-----	34.8	40.9	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	16.7	3.3	-----	16.7	6.1	-----	33.3	8.7	-----
Carotid Endarterectomy	9	11.1	1.6	-----	11.1	2.9	-----	11.1	4.3	-----
Hip Replacement/Reconstruction	38	0.0	3.2	-----	5.3	5.9	-----	5.3	8.2	-----
Open Reduction of Hip Fracture	26	7.7	6.9	-----	15.4	12.6	-----	15.4	16.6	-----
Prostatectomy	78	3.8	0.8	2.5	6.4	1.9	3.7	6.4	3.3	3.3
Cholecystectomy	56	1.8	1.7	1.8	1.8	3.1	2.7	1.8	4.1	3.5
Hysterectomy	22	0.0	0.7	-----	0.0	1.4	-----	4.5	2.0	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



MARION GENERAL HOSPITAL
Medicare Provider Number: 150011

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	75.0 years
Proportion female	60.3 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	66.3 %
Transferred from skilled nursing facility	0.3 %
Admitted for elective procedure	16.8 %
Admitted for emergency	61.8 %

COMORBIDITIES:

Cancer	6.4 %
Chronic cardiovascular disease	43.3 %
Chronic liver disease	0.7 %
Chronic renal disease	2.6 %
Chronic pulmonary disease	16.9 %
Cerebrovascular degeneration	2.8 %
Diabetes mellitus	7.6 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	86.8%
State	12.0%
Outside State	1.2%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	6.8 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	235
Occupancy Rate	54.0 %
Ownership.Control	Private, Non-Profit
Medicare Discharges	35.7 %
Case Mix Index (CMI)	1.1523

STAFFING:

Total Number of Physicians	90
Percent of Physicians Board Certified Specialists	61.1 %
Medical Residents/Interns	0
Registered Nurses	182
Licensed Practical Nurses	73

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

** Except for CMI

*** Not used in calculating mortality rates**

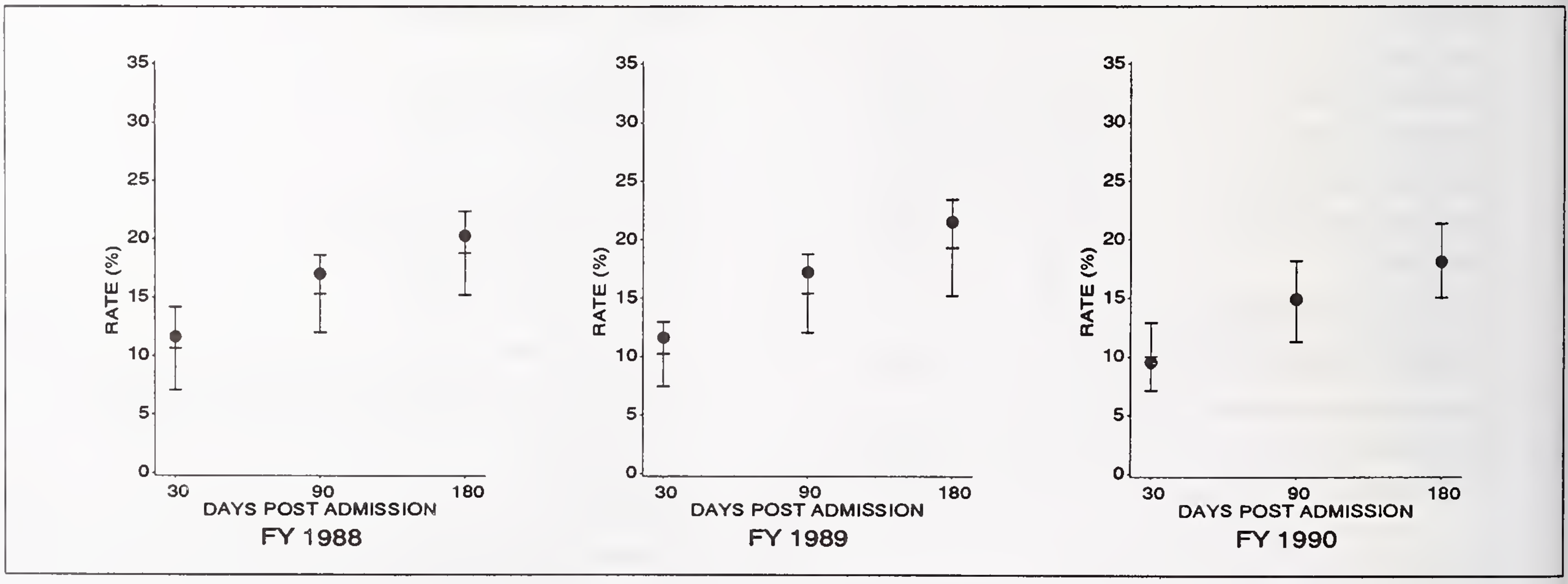
MARY SHERMAN HOSPITAL
320 NORTH SECTION STREET
SULLIVAN, IN 47882
Medicare Provider Number: 150013

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	590	9.5	10.0	1.5	14.9	14.7	1.7	18.1	18.2	1.6
CONDITIONS:										
Acute Myocardial Infarction	12	8.3	20.4	-----	8.3	22.4	-----	8.3	24.9	-----
Congestive Heart Failure	34	5.9	12.9	-----	8.8	20.5	-----	17.6	26.1	-----
Pneumonia/Influenza	62	8.1	13.7	6.7	12.9	19.3	9.9	14.5	22.8	10.2
Chronic Obstructive Pulmonary Disease	9	11.1	6.4	-----	11.1	11.4	-----	11.1	15.2	-----
Transient Cerebral Ischemia	3	0.0	2.8	-----	0.0	6.8	-----	0.0	11.4	-----
Stroke	27	25.9	21.5	-----	25.9	26.4	-----	25.9	30.3	-----
Hip Fracture	19	0.0	6.4	-----	5.3	11.0	-----	10.5	14.1	-----
Sepsis	9	0.0	27.1	-----	11.1	32.1	-----	44.4	38.2	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	4.6	-----	33.3	8.9	-----	33.3	11.6	-----
Open Reduction of Hip Fracture	4	0.0	3.1	-----	0.0	5.6	-----	0.0	8.1	-----
Prostatectomy	10	0.0	1.2	-----	0.0	2.8	-----	10.0	4.9	-----
Cholecystectomy	5	0.0	1.1	-----	0.0	2.2	-----	0.0	2.9	-----
Hysterectomy	2	0.0	0.1	-----	0.0	0.2	-----	0.0	0.3	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases Is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

MARY SHERMAN HOSPITAL

Medicare Provider Number: 150013

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	76.2 years
Proportion female	65.3 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	62.4 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	1.9 %
Admitted for emergency	96.4 %

COMORBIDITIES:	
Cancer	3.2 %
Chronic cardiovascular disease	38.0 %
Chronic liver disease	0.2 %
Chronic renal disease	1.5 %
Chronic pulmonary disease	29.0 %
Cerebrovascular degeneration	5.9 %
Diabetes mellitus	6.4 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	82.8%
State	14.0%
Outside State	3.2%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	6.4 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	56
Occupancy Rate	48.0 %
Ownership/Control	Local Government
Medicare Discharges	55.0 %
Case Mix Index (CMI)	1.0484
STAFFING:	
Total Number of Physicians	6
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	0
Registered Nurses	34
Licensed Practical Nurses	8

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

** Except for CMI

*** Not used in calculating mortality rates**

MCCRAY MEMORIAL HOSPITAL

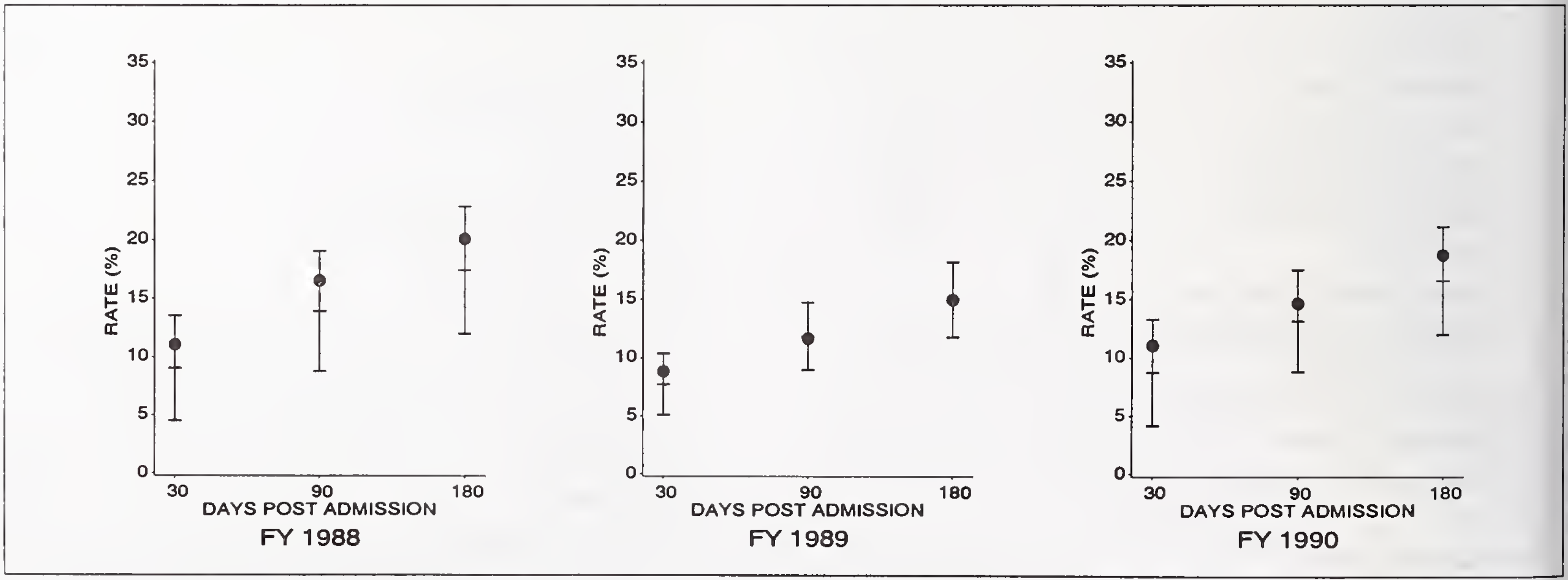
PO BOX 249
KENDALLVILLE, IN 46755
Medicare Provider Number: 150073

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	444	11.0	8.7	2.3	14.6	13.1	2.2	18.7	16.5	2.3
CONDITIONS:										
Acute Myocardial Infarction	15	26.7	32.6	-----	26.7	36.2	-----	33.3	39.7	-----
Congestive Heart Failure	30	13.3	12.7	-----	16.7	20.8	-----	30.0	27.0	-----
Pneumonia/Influenza	43	18.6	13.9	-----	20.9	18.8	-----	23.3	22.5	-----
Chronic Obstructive Pulmonary Disease	8	12.5	5.2	-----	25.0	9.7	-----	25.0	13.6	-----
Transient Cerebral Ischemia	10	0.0	1.2	-----	10.0	3.0	-----	10.0	5.1	-----
Stroke	17	23.5	16.0	-----	23.5	22.4	-----	29.4	26.3	-----
Hip Fracture	8	37.5	5.1	-----	37.5	8.9	-----	37.5	11.8	-----
Sepsis	5	0.0	22.3	-----	20.0	29.7	-----	20.0	35.1	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	50.0	3.7	-----	50.0	7.1	-----	50.0	10.3	-----
Open Reduction of Hip Fracture	6	33.3	4.5	-----	33.3	8.2	-----	33.3	11.0	-----
Prostatectomy	6	0.0	0.9	-----	0.0	2.3	-----	0.0	4.0	-----
Cholecystectomy	14	0.0	2.7	-----	0.0	4.5	-----	0.0	6.0	-----
Hysterectomy	3	0.0	2.1	-----	0.0	4.8	-----	0.0	7.7	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



MCCRAY MEMORIAL HOSPITAL

Medicare Provider Number: 150073

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	75.7 years
Proportion female	62.4 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	97.5 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	0.0 %
Admitted for emergency	2.0 %

COMORBIDITIES:	
Cancer	6.3 %
Chronic cardiovascular disease	32.7 %
Chronic liver disease	0.5 %
Chronic renal disease	3.4 %
Chronic pulmonary disease	15.8 %
Cerebrovascular degeneration	4.3 %
Diabetes mellitus	8.1 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	73.5%
State	23.1%
Outside State	3.4%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	6.1 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1989

PROFILE:	
Total Beds	51
Occupancy Rate	56.0 %
Ownership/Control	Local Government
Medicare Discharges	46.7 %
Case Mix Index (CMI)	1.0447
STAFFING:	
Total Number of Physicians	17
Percent of Physicians Board Certified Specialists	100.0 %
Medical Residents/Interns	0
Registered Nurses	42
Licensed Practical Nurses	15

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	No
Rehabilitation	No
Psychiatric	Yes
Medicare Swing Beds	No

** Except for CMI

*** Not used in calculating mortality rates**

MEMORIAL HOSPITAL

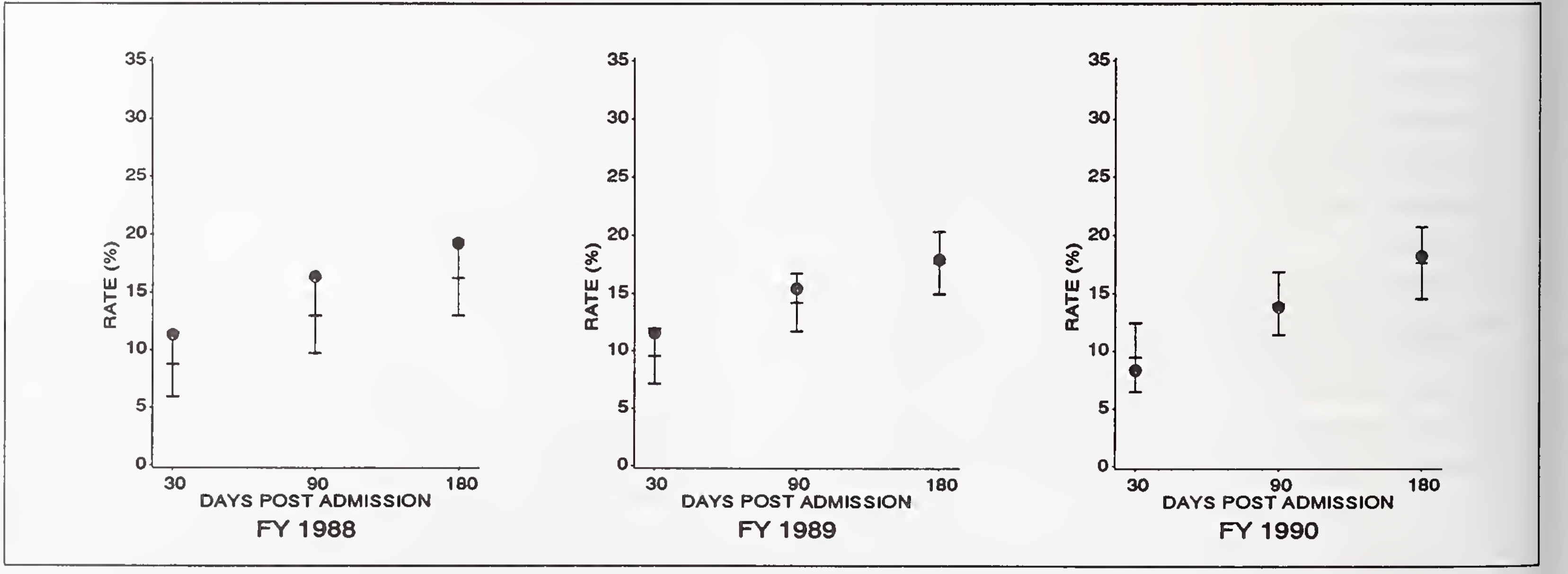
1101 MICHIGAN AV
LOGANSPORT, IN 46947
Medicare Provider Number: 150072

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	920	8.3	9.4	1.5	13.8	14.1	1.4	18.2	17.6	1.6
CONDITIONS:										
Acute Myocardial Infarction	41	24.4	26.4	-----	29.3	28.9	-----	29.3	31.6	-----
Congestive Heart Failure	54	11.1	14.4	6.1	20.4	22.5	6.7	25.9	28.6	8.0
Pneumonia/Influenza	56	7.1	15.9	7.2	12.5	22.1	7.9	23.2	26.2	8.1
Chronic Obstructive Pulmonary Disease	23	0.0	7.6	-----	8.7	13.2	-----	8.7	17.8	-----
Transient Cerebral Ischemia	8	12.5	2.3	-----	12.5	5.4	-----	12.5	9.0	-----
Stroke	47	19.1	13.4	-----	19.1	19.5	-----	25.5	23.1	-----
Hip Fracture	38	0.0	5.9	-----	10.5	10.4	-----	15.8	13.4	-----
Sepsis	5	40.0	29.2	-----	60.0	33.9	-----	60.0	37.1	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	1.0	-----	0.0	2.6	-----	0.0	4.7	-----
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	0.0	3.2	-----	7.1	5.8	-----	14.3	7.8	-----
Open Reduction of Hip Fracture	18	0.0	4.6	-----	16.7	8.1	-----	16.7	10.8	-----
Prostatectomy	20	0.0	2.3	-----	5.0	5.2	-----	15.0	8.3	-----
Cholecystectomy	20	0.0	2.2	-----	15.0	4.4	-----	15.0	6.0	-----
Hysterectomy	12	0.0	0.6	-----	0.0	1.3	-----	0.0	2.1	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



MEMORIAL HOSPITAL

Medicare Provider Number: 150072

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	75.6 years
Proportion female	61.2 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	38.2 %
Transferred from skilled nursing facility	0.7 %
Admitted for elective procedure	22.9 %
Admitted for emergency	63.9 %

COMORBIDITIES:

Cancer	7.3 %
Chronic cardiovascular disease	36.1 %
Chronic liver disease	0.3 %
Chronic renal disease	0.9 %
Chronic pulmonary disease	18.5 %
Cerebrovascular degeneration	5.2 %
Diabetes mellitus	7.3 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	82.0%
State	16.4%
Outside State	1.6%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	6.8 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	104
Occupancy Rate	41.0 %
Ownership/Control	Local Government
Medicare Discharges	38.6 %
Case Mix Index (CMI)	1.2430

STAFFING:

Total Number of Physicians	38
Percent of Physicians Board Certified Specialists	78.9 %
Medical Residents/Interns	0
Registered Nurses	67
Licensed Practical Nurses	16

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

** Except for CMI

*** Not used in calculating mortality rates**

MEMORIAL HOSPITAL & HEALTH CARE CENTER

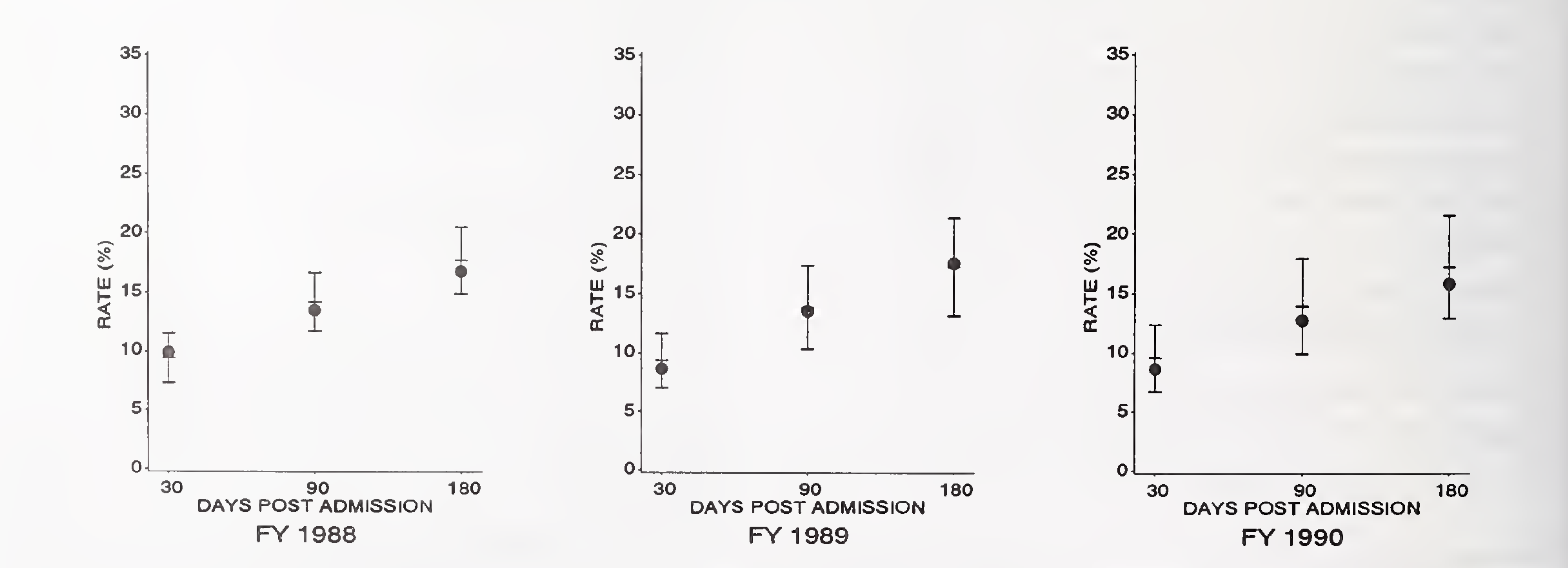
800 W 9TH ST
JASPER, IN 47546
Medicare Provider Number: 150115

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD*	90 DAYS OBS	PRED	SD*	180 DAYS OBS	PRED	SD*
ALL CAUSES	929	8.6	9.5	1.4	12.7	13.9	2.0	15.8	17.2	2.2
CONDITIONS:										
Acute Myocardial Infarction	29	27.6	30.9	-----	31.0	34.1	-----	37.9	36.9	-----
Congestive Heart Failure	78	11.5	14.1	4.4	24.4	22.8	5.9	33.3	29.3	7.5
Pneumonia/Influenza	59	16.9	16.3	5.0	27.1	21.5	7.4	28.8	25.3	9.0
Chronic Obstructive Pulmonary Disease	9	0.0	5.4	-----	11.1	9.6	-----	11.1	13.6	-----
Transient Cerebral Ischemia	14	0.0	2.0	-----	0.0	4.5	-----	7.1	7.1	-----
Stroke	33	15.2	20.6	-----	18.2	25.8	-----	18.2	29.3	-----
Hip Fracture	31	9.7	8.2	-----	12.9	13.9	-----	19.4	17.4	-----
Sepsis	9	22.2	37.2	-----	33.3	45.6	-----	44.4	50.1	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	2.0	-----	0.0	3.9	-----	0.0	5.8	-----
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	40	2.5	3.3	-----	5.0	5.7	-----	5.0	7.6	-----
Open Reduction of Hip Fracture	16	12.5	8.8	-----	18.8	15.8	-----	31.3	20.2	-----
Prostatectomy	36	2.8	1.4	-----	2.8	3.2	-----	2.8	5.3	-----
Cholecystectomy	17	0.0	2.3	-----	0.0	4.5	-----	0.0	6.1	-----
Hysterectomy	6	0.0	0.1	-----	0.0	0.2	-----	0.0	0.4	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



MEMORIAL HOSPITAL & HEALTH CARE CENTER

Medicare Provider Number: 150115

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	75.1 years
Proportion female	56.1 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	53.0 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	14.3 %
Admitted for emergency	48.8 %

COMORBIDITIES:	
Cancer	5.3 %
Chronic cardiovascular disease	32.7 %
Chronic liver disease	0.3 %
Chronic renal disease	6.0 %
Chronic pulmonary disease	12.3 %
Cerebrovascular degeneration	2.9 %
Diabetes mellitus	8.0 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	56.8%
State	41.9%
Outside State	1.3%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	6.5 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	131
Occupancy Rate	57.0 %
Ownership/Control	Church
Medicare Discharges	37.6 %
Case Mix Index (CMI)	1.2127
STAFFING:	
Total Number of Physicians	32
Percent of Physicians Board Certified Specialists	59.4 %
Medical Residents/Interns	0
Registered Nurses	71
Licensed Practical Nurses	13

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Trauma Center	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	No
Rehabilitation	No
Psychiatric	Yes
Medicare Swing Beds	Yes

** Except for CMI

*** Not used in calculating mortality rates**

MEMORIAL HOSPITAL OF MICHIGAN CITY

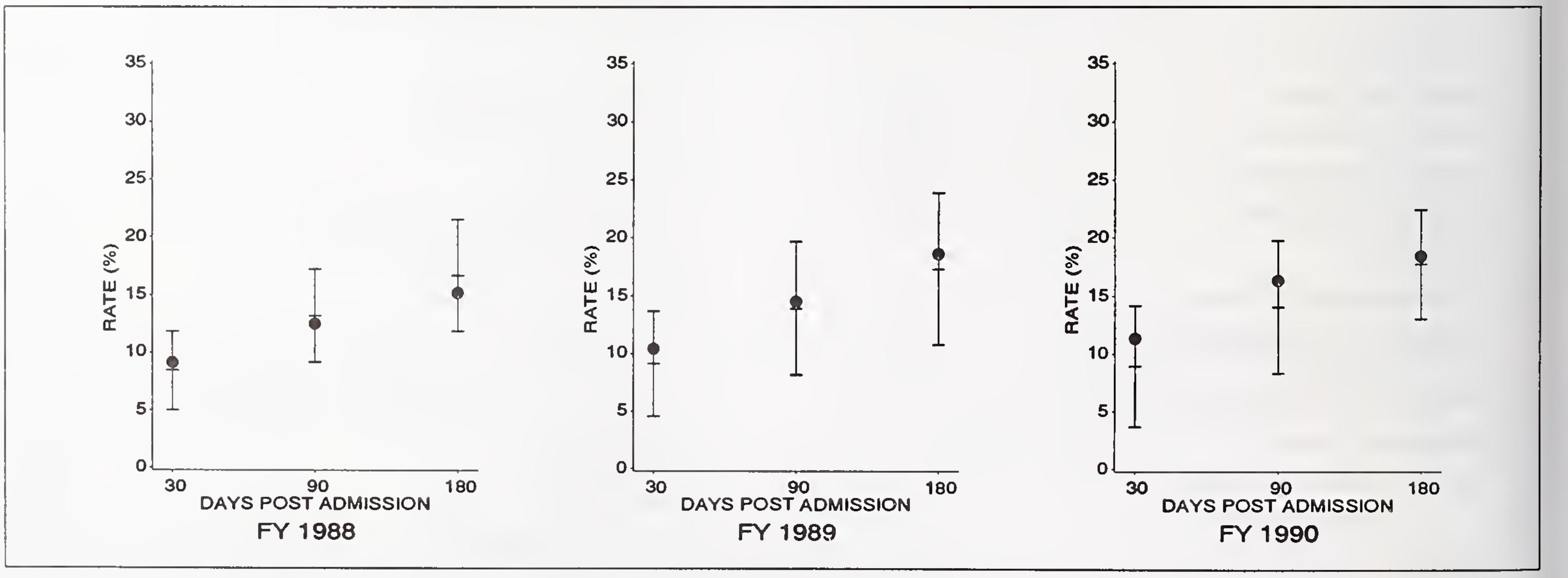
5TH & PINE STS
MICHIGAN CITY, IN 46360
Medicare Provider Number: 150077

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD*	90 DAYS OBS	90 DAYS PRED	90 DAYS SD*	180 DAYS OBS	180 DAYS PRED	180 DAYS SD*
ALL CAUSES	282	11.3	8.9	2.6	16.3	14.0	2.9	18.4	17.7	2.4
CONDITIONS:										
Acute Myocardial Infarction	7	14.3	24.1	-----	28.6	28.9	-----	28.6	32.4	-----
Congestive Heart Failure	25	20.0	14.8	-----	32.0	23.5	-----	36.0	29.4	-----
Pneumonia/Influenza	7	0.0	14.3	-----	14.3	20.3	-----	14.3	23.7	-----
Chronic Obstructive Pulmonary Disease	11	0.0	4.2	-----	9.1	7.8	-----	9.1	10.8	-----
Transient Cerebral Ischemia	5	0.0	1.8	-----	0.0	4.2	-----	0.0	7.3	-----
Stroke	13	46.2	21.1	-----	46.2	28.9	-----	46.2	33.0	-----
Hip Fracture	7	14.3	4.9	-----	14.3	9.9	-----	14.3	13.8	-----
Sepsis	3	0.0	21.6	-----	0.0	29.0	-----	0.0	33.2	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	40.0	5.9	-----	40.0	13.2	-----	40.0	19.5	-----
Open Reduction of Hip Fracture	0									
Prostatectomy	5	0.0	0.6	-----	0.0	1.6	-----	0.0	2.9	-----
Cholecystectomy	4	0.0	6.5	-----	0.0	12.6	-----	0.0	17.7	-----
Hysterectomy	3	0.0	0.1	-----	0.0	0.2	-----	0.0	0.3	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



MEMORIAL HOSPITAL OF MICHIGAN CITY

Medicare Provider Number: 150077

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	73.5 years
Proportion female	58.2 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	52.8 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	1.1 %
Admitted for emergency	45.7 %

COMORBIDITIES:

Cancer	6.0 %
Chronic cardiovascular disease	33.7 %
Chronic liver disease	0.4 %
Chronic renal disease	2.1 %
Chronic pulmonary disease	22.7 %
Cerebrovascular degeneration	7.4 %
Diabetes mellitus	12.1 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	84.1%
State	5.3%
Outside State	10.6%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	7.2 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	102
Occupancy Rate	47.0 %
Ownership.Control	Private, Non-Profit
Medicare Discharges	17.3 %
Case Mix Index (CMI)	1.1493

STAFFING:

Total Number of Physicians	73
Percent of Physicians Board Certified Specialists	65.8 %
Medical Residents/Interns	0
Registered Nurses	67
Licensed Practical Nurses	7

** Except for CMI

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	Yes
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

* Not used in calculating mortality rates

MEMORIAL HOSPITAL OF SOUTH BEND

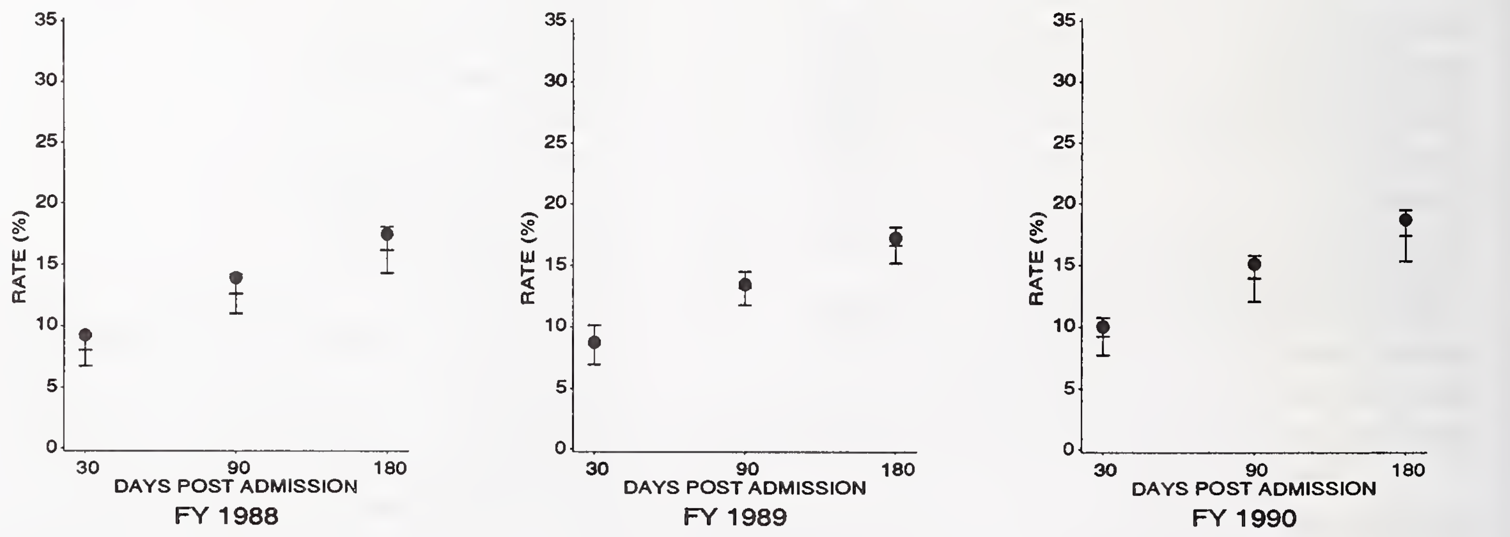
615 N MICHIGAN ST
SOUTH BEND, IN 46601
Medicare Provider Number: 150058

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	3095	10.0	9.2	0.8	15.1	13.9	0.9	18.7	17.4	1.0
CONDITIONS:										
Acute Myocardial Infarction	92	20.7	29.1	7.4	22.8	32.0	7.7	27.2	34.8	8.0
Congestive Heart Failure	178	18.5	13.1	3.7	30.9	21.0	5.3	34.8	27.0	5.5
Pneumonia/Influenza	133	18.8	14.1	4.2	23.3	19.5	5.0	28.6	23.3	4.8
Chronic Obstructive Pulmonary Disease	36	19.4	10.7	-----	30.6	19.1	-----	36.1	24.9	-----
Transient Cerebral Ischemia	22	0.0	3.2	-----	4.5	6.8	-----	4.5	10.5	-----
Stroke	117	23.1	22.5	3.9	29.1	28.1	5.0	37.6	31.7	6.8
Hip Fracture	76	5.3	6.7	4.2	6.6	12.0	6.2	9.2	15.5	7.1
Sepsis	26	23.1	33.1	-----	30.8	40.5	-----	30.8	45.1	-----
PROCEDURES:										
Angioplasty	72	2.8	3.5	2.2	5.6	4.4	2.6	6.9	5.3	3.0
Coronary Artery Bypass Graft	120	3.3	5.4	3.2	5.0	7.6	3.7	5.8	8.8	3.6
Initial Pacemaker Insertion	30	0.0	3.8	-----	3.3	6.5	-----	3.3	8.7	-----
Carotid Endarterectomy	15	0.0	0.9	-----	6.7	1.8	-----	6.7	2.7	-----
Hip Replacement/Reconstruction	79	3.8	3.3	2.1	5.1	6.4	2.9	6.3	9.0	3.5
Open Reduction of Hip Fracture	28	7.1	6.7	-----	7.1	12.2	-----	10.7	15.8	-----
Prostatectomy	49	0.0	1.3	-----	2.0	2.9	-----	2.0	4.7	-----
Cholecystectomy	61	1.6	3.8	3.7	3.3	6.4	5.6	3.3	7.9	6.6
Hysterectomy	31	0.0	1.0	-----	0.0	2.2	-----	0.0	3.3	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



MEMORIAL HOSPITAL OF SOUTH BEND

Medicare Provider Number: 150058

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	73.5 years
Proportion female	54.2 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	51.9 %
Transferred from skilled nursing facility	0.3 %
Admitted for elective procedure	10.3 %
Admitted for emergency	26.2 %

COMORBIDITIES:	
Cancer	10.7 %
Chronic cardiovascular disease	28.3 %
Chronic liver disease	0.8 %
Chronic renal disease	2.0 %
Chronic pulmonary disease	8.1 %
Cerebrovascular degeneration	3.5 %
Diabetes mellitus	5.0 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	69.3%
State	13.4%
Outside State	17.3%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	7.7 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	423
Occupancy Rate	69.0 %
Ownership.Control	Private, Non-Profit
Medicare Discharges	29.8 %
Case Mix Index (CMI)	1.4479
STAFFING:	
Total Number of Physicians	353
Percent of Physicians Board Certified Specialists	74.2 %
Medical Residents/Interns	18
Registered Nurses	431
Licensed Practical Nurses	32

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	Yes
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	Yes
Rehabilitation	Yes
Psychiatric	Yes
Medicare Swing Beds	No

** Except for CMI

*** Not used in calculating mortality rates**

MERCY HOSPITAL INC

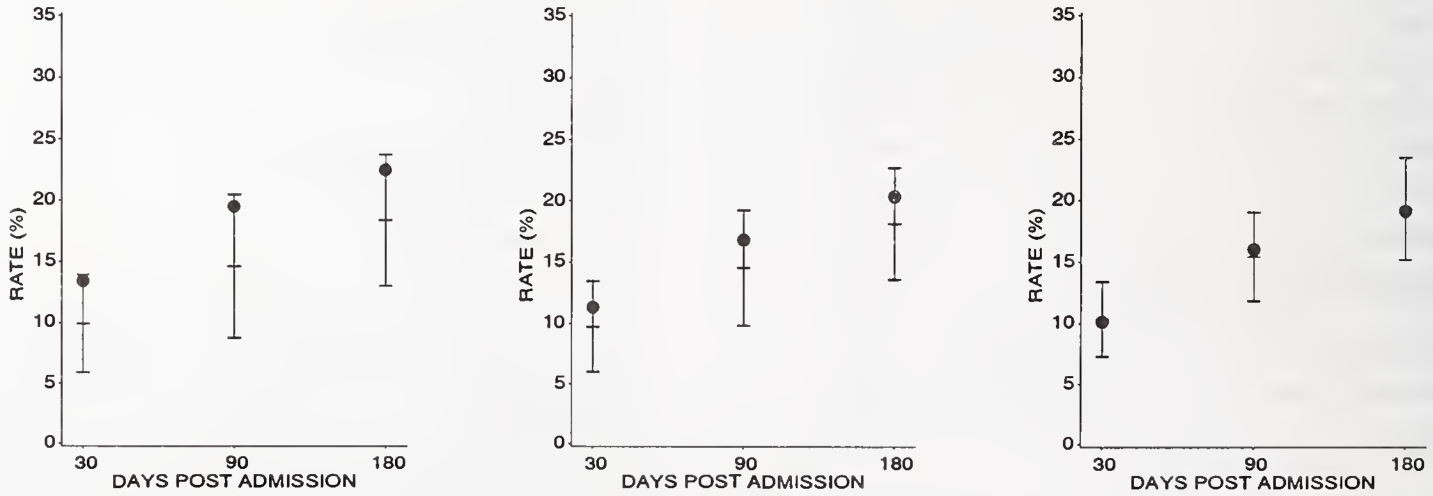
1331 SOUTH A STREET
ELWOOD, IN 46036
Medicare Provider Number: 150094

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD*	90 DAYS OBS	90 DAYS PRED	90 DAYS SD*	180 DAYS OBS	180 DAYS PRED	180 DAYS SD*
ALL CAUSES	444	10.1	10.3	1.5	16.0	15.4	1.8	19.1	19.3	2.1
CONDITIONS:										
Acute Myocardial Infarction	14	28.6	30.4	-----	35.7	33.6	-----	35.7	37.3	-----
Congestive Heart Failure	41	19.5	16.9	-----	31.7	27.1	-----	43.9	33.9	-----
Pneumonia/Influenza	27	22.2	15.2	-----	25.9	21.3	-----	37.0	25.7	-----
Chronic Obstructive Pulmonary Disease	10	10.0	6.5	-----	10.0	11.4	-----	10.0	15.7	-----
Transient Cerebral Ischemia	8	0.0	2.2	-----	0.0	5.2	-----	0.0	8.8	-----
Stroke	23	13.0	16.7	-----	26.1	22.6	-----	26.1	26.6	-----
Hip Fracture	12	0.0	4.0	-----	8.3	7.4	-----	16.7	10.3	-----
Sepsis	11	9.1	30.0	-----	18.2	36.0	-----	27.3	40.3	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	1.1	-----	0.0	2.3	-----	0.0	3.6	-----
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	3.3	-----	0.0	6.2	-----	0.0	8.9	-----
Open Reduction of Hip Fracture	2	0.0	4.6	-----	50.0	9.3	-----	50.0	12.7	-----
Prostatectomy	1	0.0	0.3	-----	0.0	0.6	-----	0.0	1.1	-----
Cholecystectomy	10	0.0	1.7	-----	0.0	3.2	-----	0.0	4.2	-----
Hysterectomy	3	0.0	0.5	-----	0.0	1.2	-----	0.0	2.1	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases Is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988 FY 1989 FY 1990

MERCY HOSPITAL INC

Medicare Provider Number: 150094

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	76.0 years
Proportion female	62.2 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	85.8 %
Transferred from skilled nursing facility	2.0 %
Admitted for elective procedure	19.4 %
Admitted for emergency	58.6 %

COMORBIDITIES:	
Cancer	6.8 %
Chronic cardiovascular disease	26.4 %
Chronic liver disease	1.1 %
Chronic renal disease	4.5 %
Chronic pulmonary disease	15.1 %
Cerebrovascular degeneration	5.6 %
Diabetes mellitus	12.2 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	89.6%
State	8.0%
Outside State	2.4%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	5.1 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	43
Occupancy Rate	65.0 %
Ownership/Control	Church
Medicare Discharges	(Not Available)
Case Mix Index (CMI)	1.0471
STAFFING:	
Total Number of Physicians	36
Percent of Physicians Board Certified Specialists	30.6 %
Medical Residents/Interns	0
Registered Nurses	36
Licensed Practical Nurses	12

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	Yes

** Except for CMI

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* Not used in calculating mortality rates

METHODIST HOSPITAL OF INDIANA INC

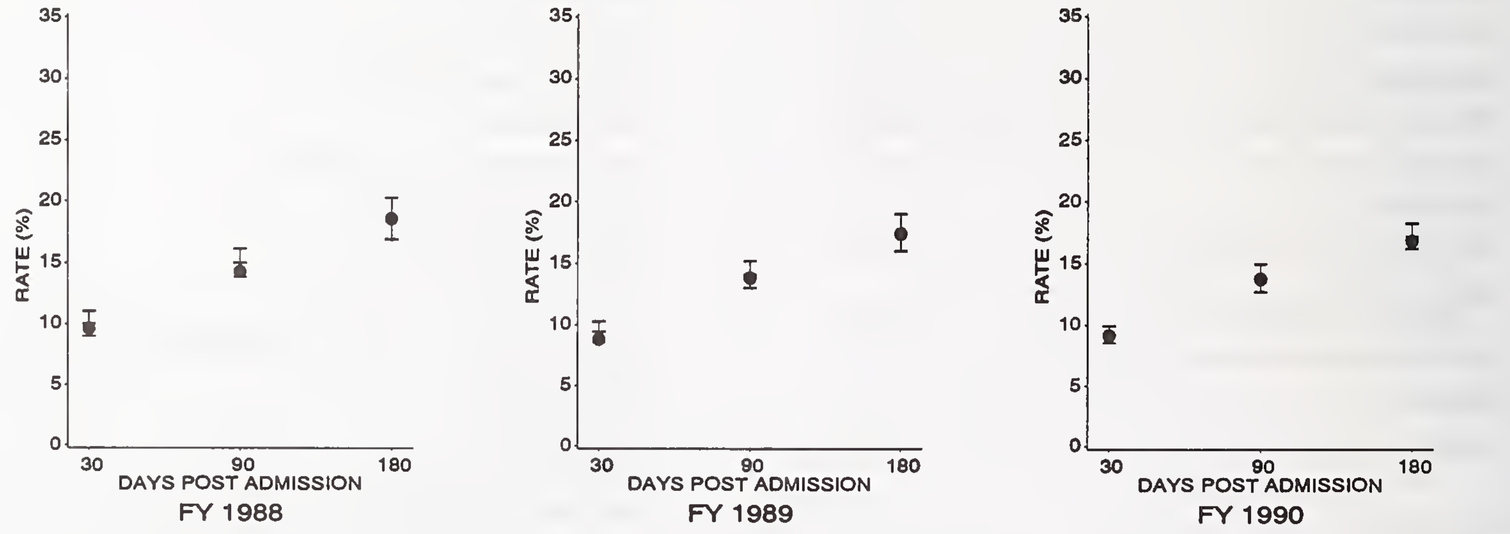
1701 NORTH SENATE BOULEVARD
INDIANAPOLIS, IN 46202
Medicare Provider Number: 150056

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD*	90 DAYS OBS	90 DAYS PRED	90 DAYS SD*	180 DAYS OBS	180 DAYS PRED	180 DAYS SD*
ALL CAUSES	7372	9.1	9.2	0.4	13.7	13.8	0.6	16.8	17.2	0.5
CONDITIONS:										
Acute Myocardial Infarction	221	20.4	27.6	4.4	23.1	30.0	4.4	24.4	32.6	4.9
Congestive Heart Failure	305	12.1	12.8	2.0	20.3	20.7	3.3	25.2	26.5	3.0
Pneumonia/Influenza	185	18.9	16.2	3.1	25.9	22.6	3.8	33.0	26.8	4.9
Chronic Obstructive Pulmonary Disease	93	9.7	8.8	4.3	15.1	15.1	4.6	17.2	19.8	4.7
Transient Cerebral Ischemia	46	2.2	1.9	-----	6.5	4.2	-----	8.7	6.9	-----
Stroke	230	28.7	22.8	4.3	30.9	28.5	3.2	33.5	32.1	3.4
Hip Fracture	125	8.8	6.6	4.8	16.0	11.7	5.1	16.8	15.2	5.1
Sepsis	76	25.0	30.2	6.5	35.5	39.7	7.6	42.1	44.9	5.9
PROCEDURES:										
Angioplasty	220	4.5	3.8	1.4	5.0	4.8	1.6	6.4	5.8	1.7
Coronary Artery Bypass Graft	227	5.7	6.1	1.6	8.8	8.7	2.0	11.0	9.9	2.2
Initial Pacemaker Insertion	65	3.1	3.4	2.3	6.2	6.9	3.2	7.7	10.0	4.2
Carotid Endarterectomy	61	1.6	1.2	1.5	4.9	2.3	2.8	4.9	3.4	3.9
Hip Replacement/Reconstruction	138	2.9	2.4	2.5	5.8	4.5	2.7	6.5	6.2	2.5
Open Reduction of Hip Fracture	76	5.3	5.5	3.0	13.2	10.3	4.2	14.5	13.9	4.8
Prostatectomy	139	2.9	1.0	1.1	5.0	2.4	1.9	6.5	4.1	4.0
Cholecystectomy	133	2.3	3.0	1.7	4.5	5.5	2.2	6.8	7.3	2.6
Hysterectomy	61	0.0	0.9	1.4	0.0	2.2	2.3	0.0	3.6	3.1

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



METHODIST HOSPITAL OF INDIANA INC

Medicare Provider Number: 150056

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	71.4 years
Proportion female	55.8 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	46.9 %
Transferred from skilled nursing facility	0.4 %
Admitted for elective procedure	31.6 %
Admitted for emergency	65.2 %

COMORBIDITIES:

Cancer	9.0 %
Chronic cardiovascular disease	34.5 %
Chronic liver disease	0.6 %
Chronic renal disease	6.2 %
Chronic pulmonary disease	12.3 %
Cerebrovascular degeneration	3.4 %
Diabetes mellitus	10.4 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	60.7%
State	36.3%
Outside State	3.0%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	9.8 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	1029
Occupancy Rate	72.0 %
Ownership.Control	Private, Non-Profit
Medicare Discharges	27.2 %
Case Mix Index (CMI)	1.6227

STAFFING:

Total Number of Physicians	490
Percent of Physicians Board Certified Specialists	84.5 %
Medical Residents/Interns	160
Registered Nurses	1596
Licensed Practical Nurses	309

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	Yes
Rehabilitation	Yes
Psychiatric	Yes
Medicare Swing Beds	No

** Except for CMI

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* Not used in calculating mortality rates

METHODIST HOSPITALS, INC

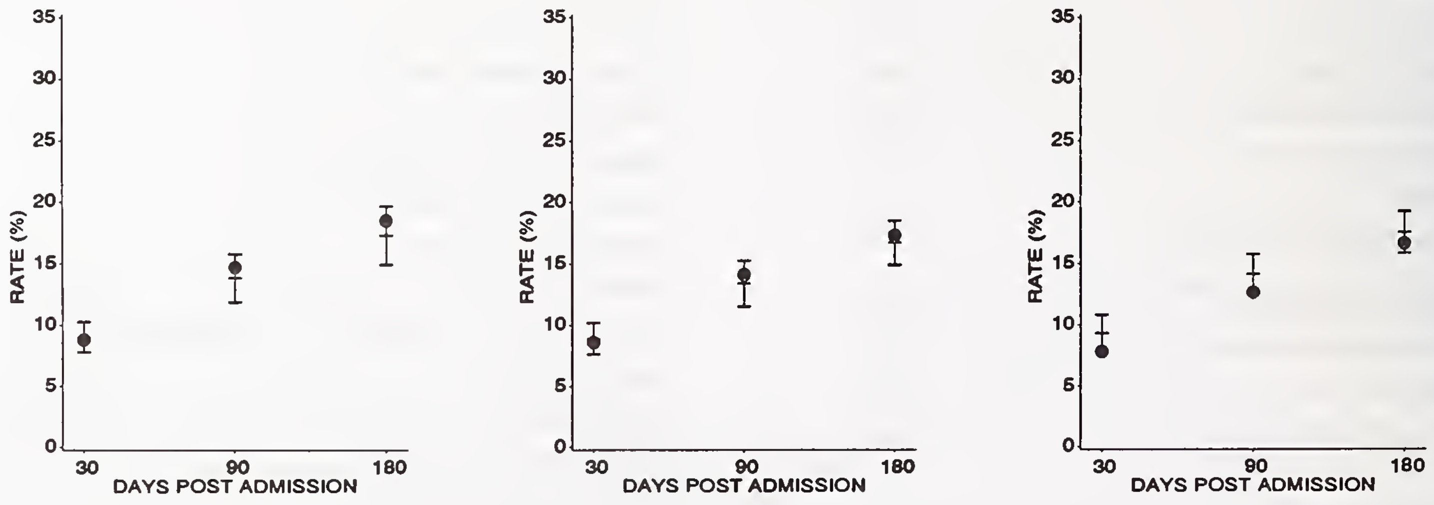
8701 BROADWAY
MERRILLVILLE, IN 46410
Medicare Provider Number: 150132

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD*	90 DAYS OBS	90 DAYS PRED	90 DAYS SD*	180 DAYS OBS	180 DAYS PRED	180 DAYS SD*
ALL CAUSES	2451	7.8	9.3	0.8	12.6	14.1	0.8	16.6	17.5	0.9
CONDITIONS:										
Acute Myocardial Infarction	50	34.0	27.5	-----	38.0	30.7	-----	40.0	33.2	-----
Congestive Heart Failure	172	8.7	13.5	3.6	20.3	21.3	3.8	25.6	27.2	3.6
Pneumonia/Influenza	108	11.1	16.8	5.3	17.6	22.7	5.3	24.1	26.7	4.7
Chronic Obstructive Pulmonary Disease	39	7.7	11.7	-----	12.8	19.4	-----	17.9	24.9	-----
Transient Cerebral Ischemia	49	0.0	1.4	-----	4.1	3.1	-----	4.1	5.1	-----
Stroke	88	25.0	19.8	6.1	28.4	25.8	5.7	33.0	29.2	6.3
Hip Fracture	28	10.7	7.6	-----	21.4	13.0	-----	25.0	16.7	-----
Sepsis	31	19.4	27.5	-----	32.3	35.7	-----	41.9	39.9	-----
PROCEDURES:										
Angioplasty	18	0.0	4.1	-----	0.0	5.0	-----	0.0	5.8	-----
Coronary Artery Bypass Graft	48	0.0	6.0	-----	0.0	8.3	-----	2.1	9.4	-----
Initial Pacemaker Insertion	11	0.0	2.3	-----	0.0	4.9	-----	0.0	7.7	-----
Carotid Endarterectomy	21	0.0	1.0	-----	0.0	2.0	-----	0.0	3.0	-----
Hip Replacement/Reconstruction	27	11.1	4.8	-----	18.5	8.3	-----	25.9	10.9	-----
Open Reduction of Hip Fracture	10	0.0	6.0	-----	10.0	10.8	-----	10.0	14.2	-----
Prostatectomy	119	0.8	1.1	1.1	1.7	2.5	1.7	4.2	4.1	2.3
Cholecystectomy	47	2.1	3.4	-----	6.4	6.3	-----	6.4	8.1	-----
Hysterectomy	17	0.0	1.0	-----	0.0	2.2	-----	0.0	3.2	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988 FY 1989 FY 1990

METHODIST HOSPITALS, INC

Medicare Provider Number: 150132

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	72.4 years
Proportion female	52.1 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	49.9 %
Transferred from skilled nursing facility	1.0 %
Admitted for elective procedure	18.7 %
Admitted for emergency	52.6 %

COMORBIDITIES:

Cancer	9.3 %
Chronic cardiovascular disease	31.4 %
Chronic liver disease	1.3 %
Chronic renal disease	3.5 %
Chronic pulmonary disease	10.9 %
Cerebrovascular degeneration	1.6 %
Diabetes mellitus	8.9 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	86.0%
State	10.4%
Outside State	3.6%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	10.3 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: Health Care Financing Administration (OSCAR)** - Survey Year 1991

PROFILE:

Total Beds	345
Ownership.Control	Private, Non-Profit
Case Mix Index (CMI)	1.3474

STAFFING:

Medical Residents/Interns	0
Registered Nurses	267
Licensed Practical Nurses	22

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	Yes
Hospice Care	No
Intensive Care Unit	Yes
Organ Transplant	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	Yes
Rehabilitation	Yes
Psychiatric	Yes
Medicare Swing Beds	No

** Except for CMI

* Not used in calculating mortality rates

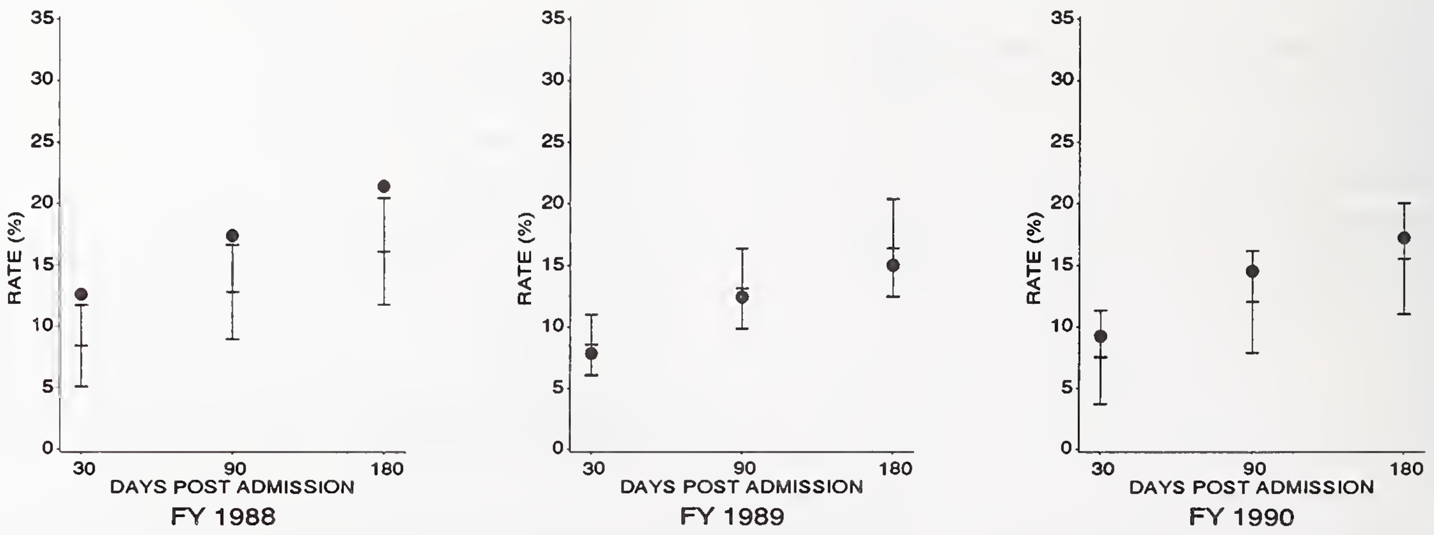
MICHIANA COMMUNITY HOSPITAL INC
2515 EAST JEFFERSON BLVD
SOUTH BEND, IN 46615
Medicare Provider Number: 150099

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	530	9.2	7.5	1.9	14.5	12.0	2.1	17.2	15.5	2.3
CONDITIONS:										
Acute Myocardial Infarction	10	50.0	19.9	-----	50.0	23.0	-----	50.0	26.1	-----
Congestive Heart Failure	33	9.1	13.7	-----	18.2	21.9	-----	18.2	27.8	-----
Pneumonia/Influenza	17	17.6	9.8	-----	17.6	14.5	-----	17.6	17.9	-----
Chronic Obstructive Pulmonary Disease	19	0.0	3.2	-----	5.3	6.6	-----	5.3	9.9	-----
Transient Cerebral Ischemia	9	0.0	2.3	-----	11.1	5.4	-----	11.1	8.9	-----
Stroke	18	11.1	18.2	-----	11.1	25.2	-----	11.1	29.7	-----
Hip Fracture	11	9.1	7.8	-----	18.2	13.4	-----	27.3	17.3	-----
Sepsis	8	25.0	25.4	-----	25.0	32.5	-----	25.0	36.4	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	3.4	-----	0.0	7.3	-----	0.0	10.7	-----
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	4.8	-----	0.0	7.9	-----	0.0	10.4	-----
Open Reduction of Hip Fracture	8	12.5	7.4	-----	25.0	13.1	-----	37.5	16.9	-----
Prostatectomy	12	0.0	0.7	-----	0.0	1.7	-----	0.0	3.1	-----
Cholecystectomy	13	0.0	3.8	-----	0.0	7.3	-----	7.7	10.1	-----
Hysterectomy	4	0.0	0.2	-----	0.0	0.5	-----	0.0	0.9	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



MICHIANA COMMUNITY HOSPITAL INC
Medicare Provider Number: 150099

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	73.4 years
Proportion female	60.8 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	40.6 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	35.3 %
Admitted for emergency	1.3 %

COMORBIDITIES:

Cancer	6.6 %
Chronic cardiovascular disease	30.4 %
Chronic liver disease	1.5 %
Chronic renal disease	3.2 %
Chronic pulmonary disease	45.1 %
Cerebrovascular degeneration	1.7 %
Diabetes mellitus	10.4 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	65.5%
State	16.0%
Outside State	18.5%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	6.7 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	107
Occupancy Rate	57.0 %
Ownership.Control	Private, Non-Profit
Medicare Discharges	24.9 %
Case Mix Index (CMI)	1.3693

STAFFING:

Total Number of Physicians	80
Percent of Physicians Board Certified Specialists	45.0 %
Medical Residents/Interns	8
Registered Nurses	87
Licensed Practical Nurses	16

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	Yes
Rehabilitation	No
Psychiatric	Yes
Medicare Swing Beds	No

** Except for CMI

*** Not used in calculating mortality rates**

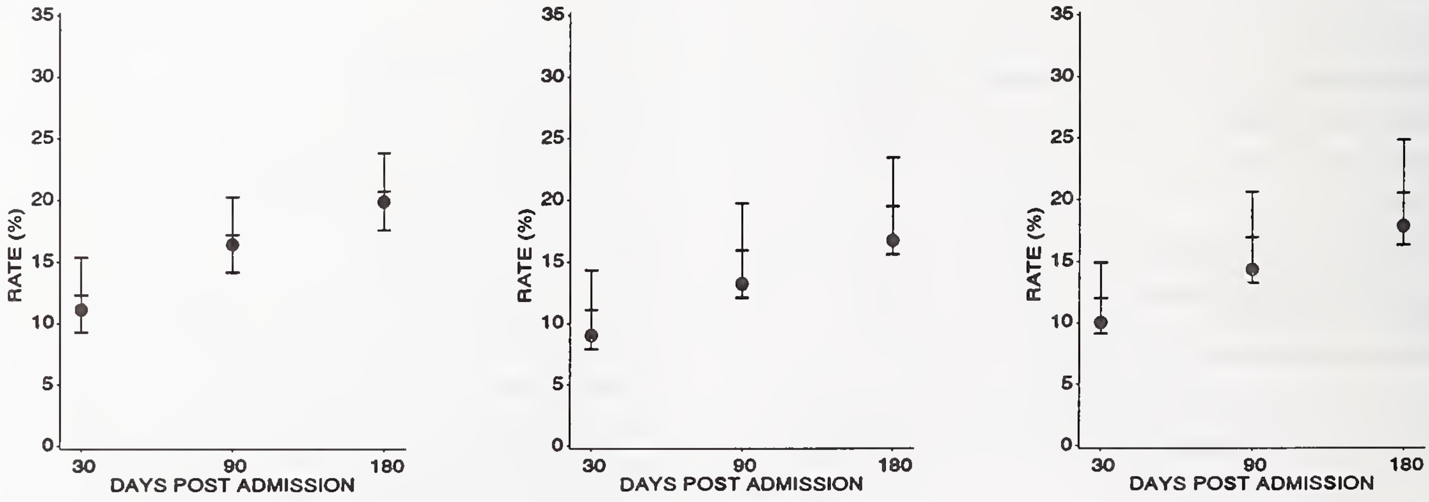
MORGAN COUNTY MEMORIAL HOSPITAL
2209 JOHN R WOODEN DR
MARTINSVILLE, IN 46151
Medicare Provider Number: 150038

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	831	10.0	12.0	1.5	14.3	16.9	1.9	17.8	20.5	2.1
CONDITIONS:										
Acute Myocardial Infarction	29	10.3	33.2	-----	10.3	36.1	-----	20.7	39.3	-----
Congestive Heart Failure	35	22.9	14.7	-----	28.6	23.0	-----	34.3	29.5	-----
Pneumonia/Influenza	63	17.5	17.6	4.8	23.8	23.7	5.6	28.6	27.5	5.7
Chronic Obstructive Pulmonary Disease	18	0.0	6.2	-----	5.6	11.0	-----	16.7	15.0	-----
Transient Cerebral Ischemia	13	15.4	2.0	-----	23.1	4.5	-----	30.8	7.3	-----
Stroke	38	15.8	26.2	-----	23.7	32.3	-----	23.7	36.1	-----
Hip Fracture	17	17.6	9.2	-----	17.6	15.6	-----	17.6	19.5	-----
Sepsis	33	21.2	32.8	-----	24.2	38.6	-----	27.3	42.8	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	5.0	-----	25.0	10.4	-----	25.0	15.7	-----
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	25.0	7.1	-----	25.0	13.1	-----	25.0	16.8	-----
Open Reduction of Hip Fracture	12	16.7	7.1	-----	16.7	12.3	-----	16.7	15.8	-----
Prostatectomy	27	0.0	0.8	-----	0.0	2.0	-----	0.0	3.4	-----
Cholecystectomy	12	0.0	1.3	-----	8.3	2.4	-----	8.3	3.2	-----
Hysterectomy	14	0.0	0.7	-----	0.0	1.7	-----	0.0	2.5	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

MORGAN COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 150038

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	76.3 years
Proportion female	57.6 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	37.9 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	0.1 %
Admitted for emergency	65.0 %

COMORBIDITIES:	
Cancer	5.3 %
Chronic cardiovascular disease	34.7 %
Chronic liver disease	0.8 %
Chronic renal disease	4.1 %
Chronic pulmonary disease	16.0 %
Cerebrovascular degeneration	5.2 %
Diabetes mellitus	9.3 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	85.8%
State	11.8%
Outside State	2.4%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	7.6 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	108
Occupancy Rate	39.0 %
Ownership/Control	Local Government
Medicare Discharges	46.0 %
Case Mix Index (CMI)	1.2725
STAFFING:	
Total Number of Physicians	45
Percent of Physicians Board Certified Specialists	66.7 %
Medical Residents/Interns	0
Registered Nurses	49
Licensed Practical Nurses	23

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

** Except for CMI

* Not used in calculating mortality rates

NORTH CLARK COMMUNITY HOSPITAL

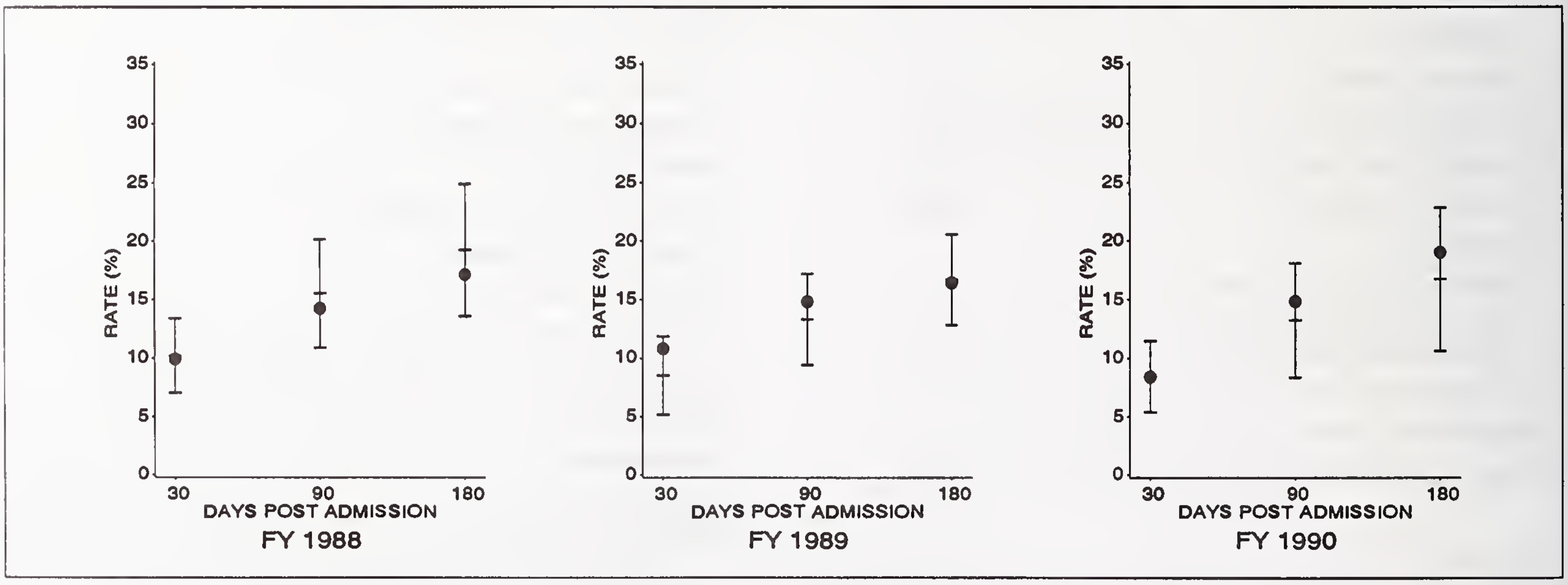
2200 MARKET ST
CHARLESTOWN, IN 47111
Medicare Provider Number: 150134

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD*	90 DAYS OBS	PRED	SD*	180 DAYS OBS	PRED	SD*
ALL CAUSES	332	8.4	8.4	1.5	14.8	13.2	2.4	19.0	16.7	3.1
CONDITIONS:										
Acute Myocardial Infarction	5	20.0	11.0	-----	20.0	14.4	-----	20.0	17.3	-----
Congestive Heart Failure	14	14.3	12.7	-----	28.6	20.4	-----	35.7	27.0	-----
Pneumonia/Influenza	14	7.1	15.7	-----	14.3	21.8	-----	21.4	25.6	-----
Chronic Obstructive Pulmonary Disease	7	0.0	4.4	-----	0.0	8.0	-----	0.0	11.3	-----
Transient Cerebral Ischemia	4	0.0	1.2	-----	0.0	2.8	-----	25.0	4.9	-----
Stroke	17	17.6	19.4	-----	35.3	24.8	-----	35.3	28.7	-----
Hip Fracture	10	20.0	5.3	-----	30.0	10.7	-----	30.0	14.6	-----
Sepsis	3	0.0	18.6	-----	0.0	22.7	-----	0.0	26.6	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	20.0	2.1	-----	20.0	4.6	-----	20.0	7.4	-----
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	4.1	-----	0.0	8.3	-----	0.0	11.2	-----
Open Reduction of Hip Fracture	6	33.3	4.3	-----	33.3	8.7	-----	33.3	11.9	-----
Prostatectomy	5	0.0	0.4	-----	0.0	0.9	-----	0.0	1.5	-----
Cholecystectomy	4	0.0	1.9	-----	0.0	3.2	-----	0.0	4.1	-----
Hysterectomy	1	0.0	0.7	-----	0.0	1.5	-----	0.0	2.5	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



NORTH CLARK COMMUNITY HOSPITAL

Medicare Provider Number: 150134

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	73.4 years
Proportion female	57.2 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	63.3 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	19.6 %
Admitted for emergency	24.1 %

COMORBIDITIES:	
Cancer	5.4 %
Chronic cardiovascular disease	45.8 %
Chronic liver disease	0.3 %
Chronic renal disease	4.8 %
Chronic pulmonary disease	16.9 %
Cerebrovascular degeneration	3.0 %
Diabetes mellitus	8.1 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	82.5%
State	13.9%
Outside State	3.6%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	5.9 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	42
Occupancy Rate	42.0 %
Ownership/Control	Private, For Profit
Medicare Discharges	48.4 %
Case Mix Index (CMI)	1.2095
STAFFING:	
Total Number of Physicians	23
Percent of Physicians Board Certified Specialists	69.6 %
Medical Residents/Interns	0
Registered Nurses	21
Licensed Practical Nurses	21

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

** Except for CMI

*** Not used in calculating mortality rates**

ORANGE COUNTY HOSPITAL

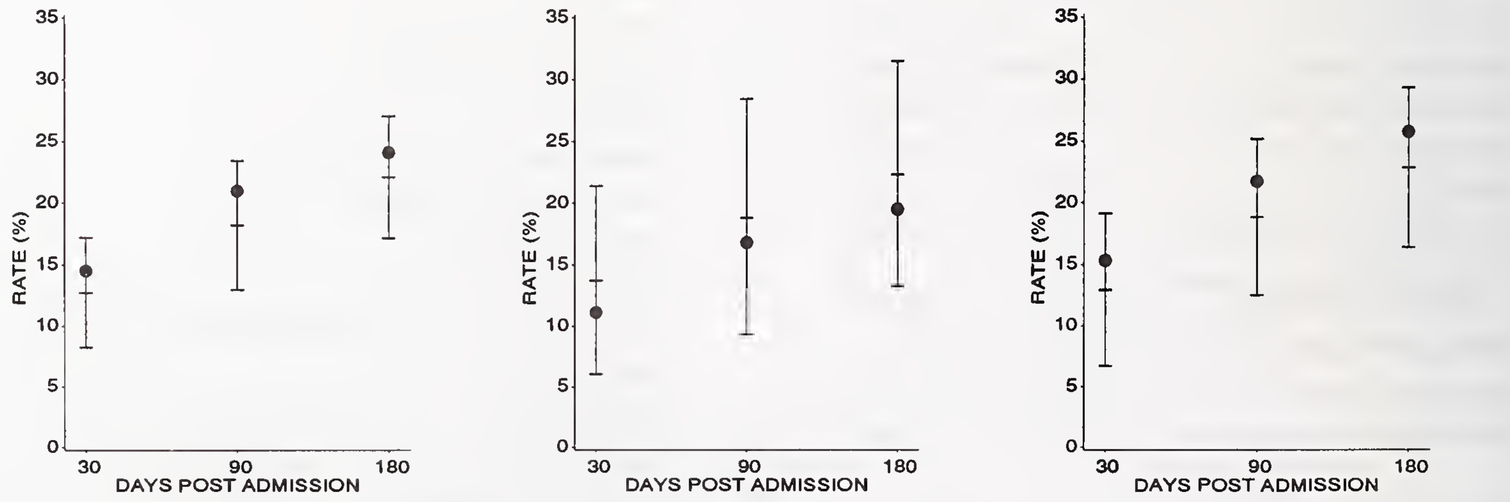
RR 4, BOX 150
PAOLI, IN 47454
Medicare Provider Number: 150071

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	346	15.3	12.9	3.1	21.7	18.8	3.2	25.7	22.8	3.2
CONDITIONS:										
Acute Myocardial Infarction	19	36.8	26.3	-----	47.4	29.4	-----	52.6	32.3	-----
Congestive Heart Failure	26	19.2	14.2	-----	23.1	22.8	-----	26.9	29.6	-----
Pneumonia/Influenza	57	10.5	14.3	6.9	15.8	19.8	7.7	19.3	23.5	9.1
Chronic Obstructive Pulmonary Disease	2	0.0	5.0	-----	0.0	8.6	-----	0.0	12.2	-----
Transient Cerebral Ischemia	4	0.0	2.8	-----	0.0	6.4	-----	0.0	9.9	-----
Stroke	12	16.7	17.2	-----	25.0	23.5	-----	25.0	28.0	-----
Hip Fracture	3	0.0	2.3	-----	0.0	4.4	-----	33.3	6.4	-----
Sepsis	5	40.0	38.9	-----	40.0	48.1	-----	40.0	52.3	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	3	0.0	1.8	-----	0.0	3.8	-----	33.3	5.8	-----
Prostatectomy	2	0.0	2.2	-----	0.0	5.3	-----	0.0	8.3	-----
Cholecystectomy	9	0.0	2.0	-----	11.1	3.5	-----	11.1	4.4	-----
Hysterectomy	2	0.0	0.1	-----	0.0	0.3	-----	0.0	0.6	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

ORANGE COUNTY HOSPITAL

Medicare Provider Number: 150071

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	76.1 years
Proportion female	54.0 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	75.4 %
Transferred from skilled nursing facility	1.4 %
Admitted for elective procedure	0.0 %
Admitted for emergency	12.4 %

COMORBIDITIES:

Cancer	8.1 %
Chronic cardiovascular disease	43.4 %
Chronic liver disease	1.2 %
Chronic renal disease	6.1 %
Chronic pulmonary disease	22.3 %
Cerebrovascular degeneration	2.9 %
Diabetes mellitus	12.1 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	74.1%
State	22.1%
Outside State	3.8%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	5.7 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	37
Occupancy Rate	37.0 %
Ownership/Control	Local Government
Medicare Discharges	45.0 %
Case Mix Index (CMI)	1.1730

STAFFING:

Total Number of Physicians	37
Percent of Physicians Board Certified Specialists	81.1 %
Medical Residents/Interns	0
Registered Nurses	21
Licensed Practical Nurses	10

** Except for CMI

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

*** Not used in calculating mortality rates**

OUR LADY OF MERCY HOSPITAL

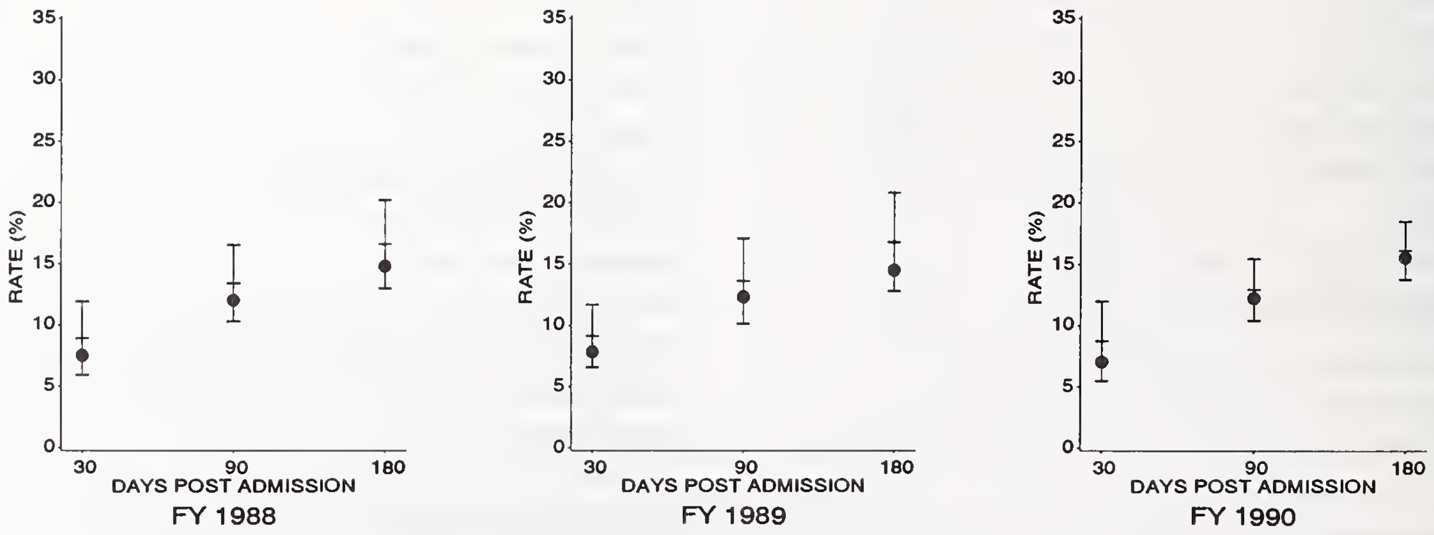
U S HIGHWAY 30
DYER, IN 46311
Medicare Provider Number: 150090

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD*	90 DAYS OBS	PRED	SD*	180 DAYS OBS	PRED	SD*
ALL CAUSES	1152	7.0	8.7	1.6	12.2	12.9	1.3	15.5	16.1	1.2
CONDITIONS:										
Acute Myocardial Infarction	16	18.8	27.7	-----	18.8	31.5	-----	18.8	34.2	-----
Congestive Heart Failure	56	10.7	12.3	4.6	23.2	19.9	6.9	33.9	26.0	8.8
Pneumonia/Influenza	55	10.9	14.5	7.0	14.5	19.9	8.9	14.5	23.5	10.4
Chronic Obstructive Pulmonary Disease	10	0.0	14.5	-----	10.0	23.5	-----	40.0	28.8	-----
Transient Cerebral Ischemia	21	0.0	2.0	-----	4.8	4.5	-----	14.3	7.4	-----
Stroke	53	13.2	22.2	8.3	17.0	28.4	9.8	22.6	32.1	9.3
Hip Fracture	15	13.3	6.5	-----	20.0	10.9	-----	26.7	13.9	-----
Sepsis	37	27.0	29.1	-----	37.8	35.4	-----	40.5	39.5	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	9.1	2.6	-----	18.2	5.4	-----	27.3	8.3	-----
Carotid Endarterectomy	3	0.0	2.3	-----	0.0	4.2	-----	0.0	5.9	-----
Hip Replacement/Reconstruction	13	0.0	3.2	-----	0.0	5.4	-----	7.7	6.7	-----
Open Reduction of Hip Fracture	5	0.0	5.2	-----	20.0	9.1	-----	20.0	12.3	-----
Prostatectomy	37	0.0	1.0	-----	0.0	2.4	-----	2.7	4.0	-----
Cholecystectomy	30	0.0	3.4	-----	6.7	6.2	-----	10.0	8.2	-----
Hysterectomy	5	0.0	0.2	-----	0.0	0.4	-----	0.0	0.6	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases Is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



OUR LADY OF MERCY HOSPITAL

Medicare Provider Number: 150090

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	73.1 years
Proportion female	58.3 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	36.1 %
Transferred from skilled nursing facility	0.1 %
Admitted for elective procedure	22.0 %
Admitted for emergency	53.9 %

COMORBIDITIES:

Cancer	4.4 %
Chronic cardiovascular disease	44.4 %
Chronic liver disease	0.8 %
Chronic renal disease	1.4 %
Chronic pulmonary disease	25.3 %
Cerebrovascular degeneration	2.8 %
Diabetes mellitus	9.4 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	64.3%
State	3.9%
Outside State	31.8%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	8.6 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	284
Occupancy Rate	60.0 %
Ownership/Control	Church
Medicare Discharges	37.3 %
Case Mix Index (CMI)	1.2789

STAFFING:

Total Number of Physicians	189
Percent of Physicians Board Certified Specialists	65.6 %
Medical Residents/Interns	0
Registered Nurses	162
Licensed Practical Nurses	0

** Except for CMI

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	Yes
Rehabilitation	No
Psychiatric	Yes
Medicare Swing Beds	Yes

*** Not used in calculating mortality rates**

PARKVIEW MEMORIAL HOSPITAL INC

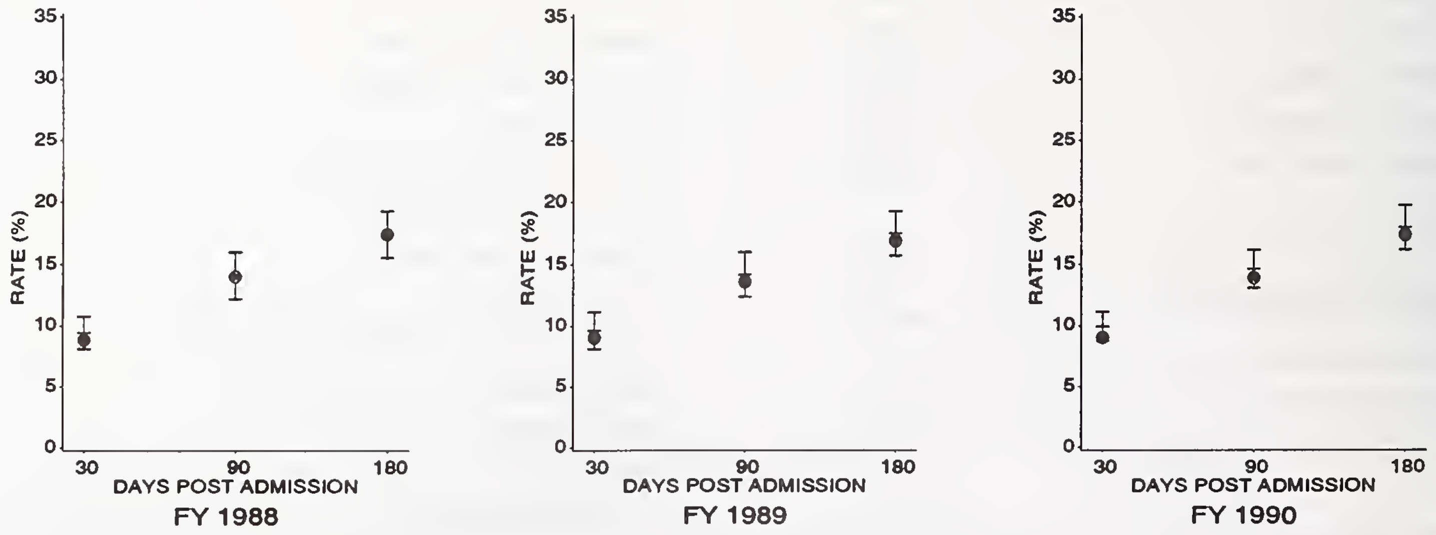
2200 RANDALIA DRIVE
FORT WAYNE, IN 46805
Medicare Provider Number: 150021

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	4478	9.0	9.9	0.6	13.9	14.6	0.8	17.3	17.9	0.9
CONDITIONS:										
Acute Myocardial Infarction	174	24.1	30.4	6.1	26.4	32.6	6.4	28.7	35.0	6.6
Congestive Heart Failure	191	15.7	14.7	2.7	23.0	22.8	3.1	28.3	29.0	3.4
Pneumonia/Influenza	164	22.0	18.2	3.3	35.4	24.7	4.3	43.9	28.8	5.5
Chronic Obstructive Pulmonary Disease	37	5.4	6.3	-----	16.2	11.2	-----	21.6	15.3	-----
Transient Cerebral Ischemia	37	2.7	1.3	-----	2.7	2.9	-----	2.7	4.8	-----
Stroke	160	19.4	20.3	3.3	23.7	25.9	4.2	25.0	29.4	4.7
Hip Fracture	129	9.3	6.2	4.6	14.7	11.1	4.8	15.5	14.4	5.0
Sepsis	44	25.0	29.5	-----	36.4	37.0	-----	40.9	41.8	-----
PROCEDURES:										
Angioplasty	104	6.7	5.6	2.6	8.7	6.6	3.0	10.6	7.6	3.7
Coronary Artery Bypass Graft	118	4.2	7.1	3.7	7.6	9.6	4.7	9.3	10.7	4.6
Initial Pacemaker Insertion	51	2.0	3.2	3.1	3.9	5.8	3.9	7.8	8.3	4.6
Carotid Endarterectomy	36	0.0	1.5	-----	0.0	2.7	-----	0.0	4.0	-----
Hip Replacement/Reconstruction	185	1.1	1.9	1.2	2.7	3.6	1.6	2.7	4.9	2.6
Open Reduction of Hip Fracture	68	11.8	6.1	5.9	17.6	11.2	6.5	19.1	14.8	6.2
Prostatectomy	137	0.7	1.2	1.2	1.5	2.6	1.8	3.6	4.4	2.2
Cholecystectomy	81	3.7	2.9	2.0	4.9	5.2	3.6	8.6	7.1	4.5
Hysterectomy	46	0.0	0.7	-----	0.0	1.5	-----	0.0	2.4	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

PARKVIEW MEMORIAL HOSPITAL INC

Medicare Provider Number: 150021

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	73.1 years
Proportion female	54.8 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	41.4 %
Transferred from skilled nursing facility	0.2 %
Admitted for elective procedure	0.1 %
Admitted for emergency	56.3 %

COMORBIDITIES:

Cancer	9.4 %
Chronic cardiovascular disease	35.0 %
Chronic liver disease	0.7 %
Chronic renal disease	2.6 %
Chronic pulmonary disease	10.9 %
Cerebrovascular degeneration	1.9 %
Diabetes mellitus	7.7 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	58.9%
State	32.0%
Outside State	9.1%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	8.0 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1989

PROFILE:

Total Beds	611
Occupancy Rate	68.0 %
Ownership.Control	Private, Non-Profit
Medicare Discharges	30.4 %
Case Mix Index (CMI)	1.5847

STAFFING:

Total Number of Physicians	285
Percent of Physicians Board Certified Specialists	81.4 %
Medical Residents/Interns	0
Registered Nurses	482
Licensed Practical Nurses	97

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	Yes
Psychiatric	Yes
Medicare Swing Beds	No

** Except for CMI

*** Not used in calculating mortality rates**

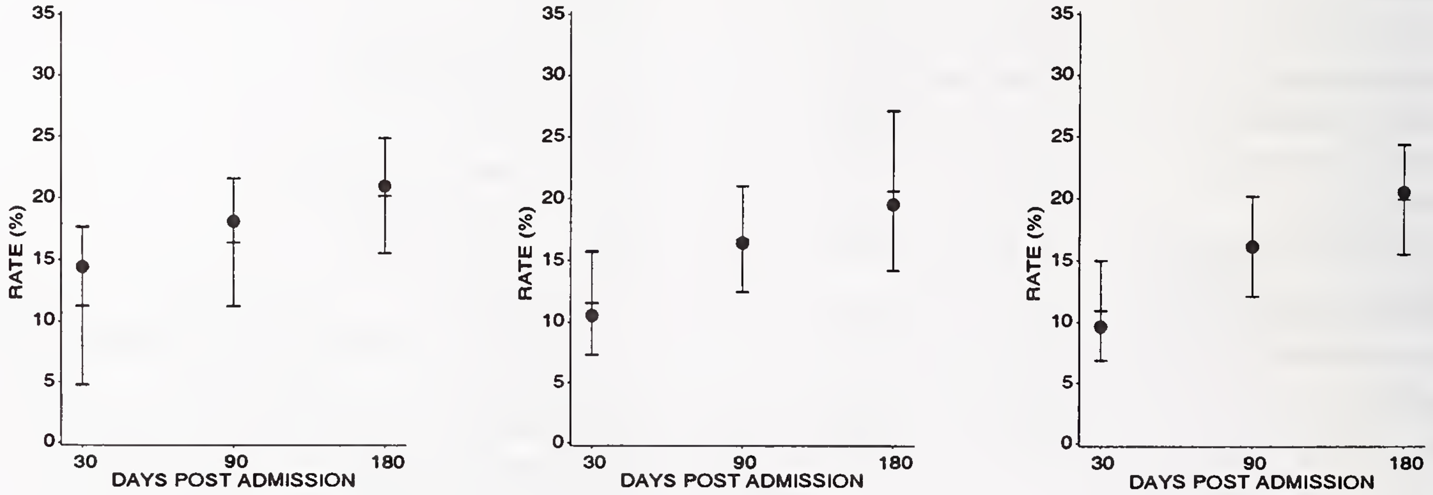
PERRY COUNTY MEMORIAL HOSPITAL
1 HOSPITAL RD
TELL CITY, IN 47586
Medicare Provider Number: 150070

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD*	90 DAYS OBS	PRED	SD*	180 DAYS OBS	PRED	SD*
ALL CAUSES	342	9.6	10.9	2.0	16.1	16.1	2.0	20.5	19.9	2.2
CONDITIONS:										
Acute Myocardial Infarction	14	35.7	31.1	-----	35.7	34.4	-----	42.9	37.6	-----
Congestive Heart Failure	23	21.7	15.8	-----	34.8	25.0	-----	43.5	32.1	-----
Pneumonia/Influenza	30	16.7	14.4	-----	26.7	19.6	-----	33.3	23.5	-----
Chronic Obstructive Pulmonary Disease	8	0.0	10.8	-----	0.0	18.4	-----	0.0	24.1	-----
Transient Cerebral Ischemia	7	0.0	2.6	-----	14.3	6.0	-----	28.6	9.6	-----
Stroke	15	13.3	17.2	-----	26.7	22.8	-----	26.7	26.8	-----
Hip Fracture	11	9.1	10.3	-----	18.2	17.5	-----	18.2	22.4	-----
Sepsis	12	16.7	30.6	-----	25.0	36.5	-----	41.7	42.1	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	4.6	-----	0.0	8.7	-----	0.0	12.7	-----
Open Reduction of Hip Fracture	6	16.7	7.7	-----	16.7	14.6	-----	16.7	19.7	-----
Prostatectomy	2	0.0	5.0	-----	0.0	12.7	-----	0.0	20.9	-----
Cholecystectomy	1	0.0	4.5	-----	0.0	9.6	-----	100.0	12.8	-----
Hysterectomy	4	0.0	2.8	-----	0.0	6.4	-----	0.0	10.0	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

PERRY COUNTY MEMORIAL HOSPITAL
Medicare Provider Number: 150070

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	76.0 years
Proportion female	56.1 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	32.2 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	2.9 %
Admitted for emergency	0.9 %

COMORBIDITIES:	
Cancer	5.6 %
Chronic cardiovascular disease	47.7 %
Chronic liver disease	1.2 %
Chronic renal disease	1.5 %
Chronic pulmonary disease	17.5 %
Cerebrovascular degeneration	4.1 %
Diabetes mellitus	12.0 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	87.6%
State	4.3%
Outside State	8.1%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	4.8 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1989

PROFILE:	
Total Beds	55
Occupancy Rate	34.0 %
Ownership/Control	Local Government
Medicare Discharges	46.0 %
Case Mix Index (CMI)	1.0916
STAFFING:	
Total Number of Physicians	17
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	0
Registered Nurses	28
Licensed Practical Nurses	20

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	Yes

** Except for CMI

* Not used in calculating mortality rates

PORTER MEMORIAL HOSPITAL

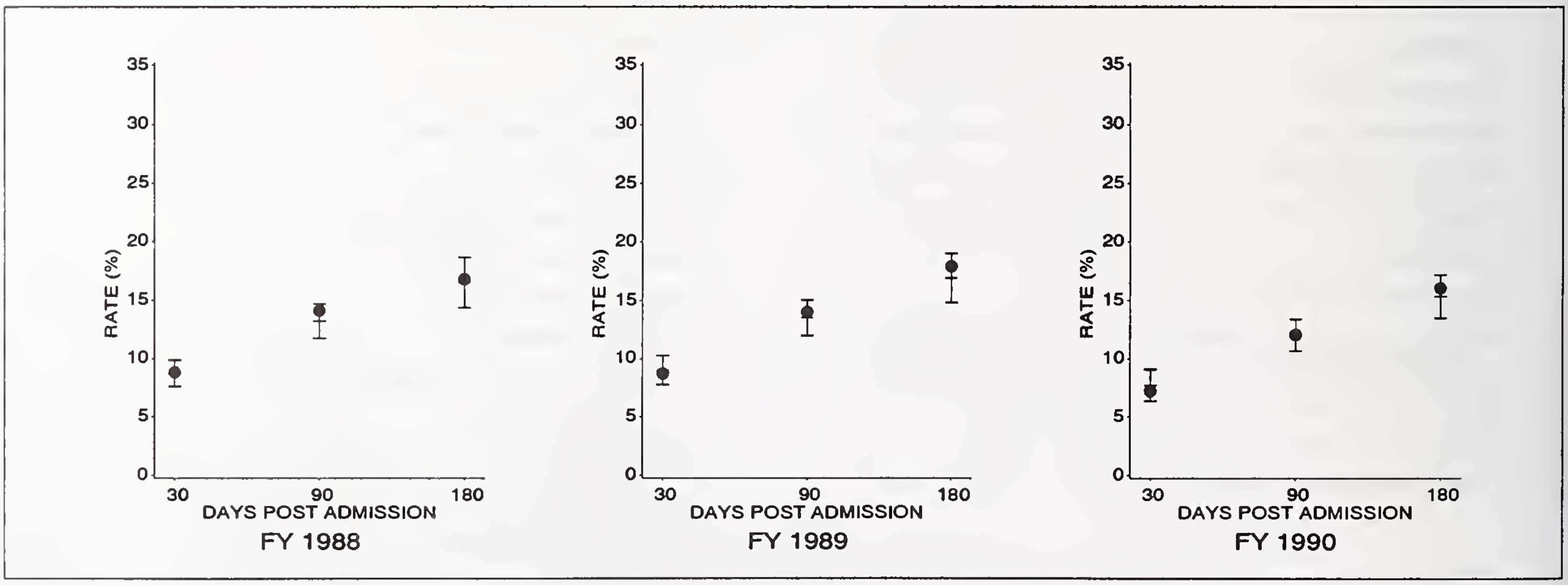
814 LAPORTE AVE
VALPARAISO, IN 46383
Medicare Provider Number: 150035

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	2794	7.2	7.7	0.7	12.0	12.0	0.7	16.0	15.3	0.9
CONDITIONS:										
Acute Myocardial Infarction	57	19.3	20.3	5.7	22.8	23.2	5.9	29.8	25.9	6.9
Congestive Heart Failure	138	9.4	13.2	3.5	17.4	21.0	4.4	28.3	26.8	3.8
Pneumonia/Influenza	152	10.5	14.5	3.6	20.4	20.2	3.5	25.0	24.0	4.1
Chronic Obstructive Pulmonary Disease	52	5.8	7.5	6.3	9.6	12.8	6.9	19.2	16.8	7.7
Transient Cerebral Ischemia	95	1.1	1.6	1.3	3.2	3.7	2.1	5.3	6.1	3.1
Stroke	74	23.0	21.8	5.6	27.0	28.2	5.4	31.1	32.0	5.5
Hip Fracture	64	12.5	8.7	5.5	20.3	14.8	6.0	23.4	18.7	6.8
Sepsis	43	18.6	25.3	-----	32.6	32.7	-----	39.5	37.1	-----
PROCEDURES:										
Angioplasty	33	3.0	3.1	-----	3.0	4.2	-----	3.0	5.2	-----
Coronary Artery Bypass Graft	70	8.6	5.6	5.1	11.4	8.0	6.4	12.9	9.1	6.6
Initial Pacemaker Insertion	32	3.1	2.7	-----	3.1	5.6	-----	9.4	8.5	-----
Carotid Endarterectomy	32	0.0	1.5	-----	3.1	2.7	-----	9.4	3.9	-----
Hip Replacement/Reconstruction	48	4.2	2.3	-----	8.3	4.1	-----	8.3	5.5	-----
Open Reduction of Hip Fracture	38	7.9	7.5	-----	15.8	13.4	-----	21.1	17.3	-----
Prostatectomy	114	0.9	1.1	1.0	0.9	2.4	1.9	2.6	3.8	2.0
Cholecystectomy	50	2.0	2.7	-----	8.0	5.4	-----	14.0	7.6	-----
Hysterectomy	22	4.5	0.4	-----	4.5	1.0	-----	4.5	1.6	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



PORTER MEMORIAL HOSPITAL
Medicare Provider Number: 150035

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	73.5 years
Proportion female	56.2 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	42.5 %
Transferred from skilled nursing facility	0.1 %
Admitted for elective procedure	22.4 %
Admitted for emergency	13.9 %

COMORBIDITIES:

Cancer	6.5 %
Chronic cardiovascular disease	35.5 %
Chronic liver disease	0.6 %
Chronic renal disease	2.6 %
Chronic pulmonary disease	19.0 %
Cerebrovascular degeneration	3.2 %
Diabetes mellitus	9.0 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	71.5%
State	24.9%
Outside State	3.6%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	9.6 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	379
Occupancy Rate	62.0 %
Ownership/Control	Local Government
Medicare Discharges	31.3 %
Case Mix Index (CMI)	1.3340

STAFFING:

Total Number of Physicians	135
Percent of Physicians Board Certified Specialists	62.2 %
Medical Residents/Interns	0
Registered Nurses	392
Licensed Practical Nurses	16

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

** Except for CMI

*** Not used in calculating mortality rates**

PULASKI MEMORIAL HOSPITAL

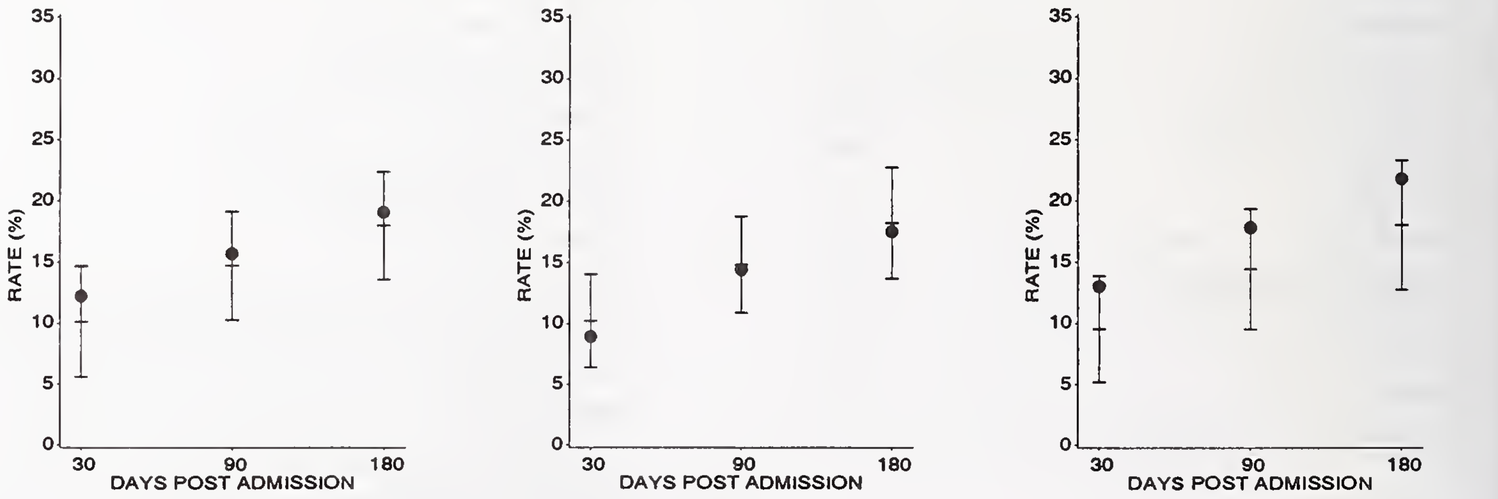
616 EAST 13TH STREET
WINAMAC, IN 46996
Medicare Provider Number: 150095

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD*	90 DAYS OBS	PRED	SD*	180 DAYS OBS	PRED	SD*
ALL CAUSES	331	13.0	9.5	2.2	17.8	14.4	2.5	21.8	18.0	2.7
CONDITIONS:										
Acute Myocardial Infarction	8	37.5	42.4	-----	37.5	45.2	-----	50.0	48.9	-----
Congestive Heart Failure	17	29.4	12.8	-----	52.9	20.1	-----	52.9	25.9	-----
Pneumonia/Influenza	31	9.7	14.5	-----	9.7	19.5	-----	9.7	23.0	-----
Chronic Obstructive Pulmonary Disease	6	0.0	4.7	-----	16.7	8.8	-----	16.7	13.0	-----
Transient Cerebral Ischemia	7	14.3	1.3	-----	14.3	2.9	-----	14.3	4.8	-----
Stroke	14	28.6	16.7	-----	35.7	21.4	-----	42.9	24.5	-----
Hip Fracture	8	0.0	8.6	-----	0.0	15.1	-----	0.0	19.1	-----
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	1.6	-----	0.0	3.6	-----	0.0	5.5	-----
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	6.1	-----	0.0	10.0	-----	0.0	13.0	-----
Open Reduction of Hip Fracture	4	0.0	7.7	-----	0.0	14.5	-----	0.0	18.8	-----
Prostatectomy	13	0.0	1.0	-----	7.7	2.2	-----	7.7	3.9	-----
Cholecystectomy	5	0.0	2.6	-----	0.0	4.1	-----	0.0	5.1	-----
Hysterectomy	2	0.0	2.1	-----	0.0	3.1	-----	0.0	4.3	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

PULASKI MEMORIAL HOSPITAL

Medicare Provider Number: 150095

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	76.7 years
Proportion female	59.2 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	42.3 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	3.0 %
Admitted for emergency	29.9 %

COMORBIDITIES:

Cancer	6.9 %
Chronic cardiovascular disease	40.5 %
Chronic liver disease	0.0 %
Chronic renal disease	3.3 %
Chronic pulmonary disease	10.6 %
Cerebrovascular degeneration	2.4 %
Diabetes mellitus	10.6 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	71.6%
State	26.6%
Outside State	1.8%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	5.9 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	47
Occupancy Rate	36.0 %
Ownership/Control	Local Government
Medicare Discharges	36.9 %
Case Mix Index (CMI)	1.0497

STAFFING:

Total Number of Physicians	13
Percent of Physicians Board Certified Specialists	76.9 %
Medical Residents/Interns	0
Registered Nurses	33
Licensed Practical Nurses	8

** Except for CMI

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	Yes

*** Not used in calculating mortality rates**

PUTNAM COUNTY HOSPITAL

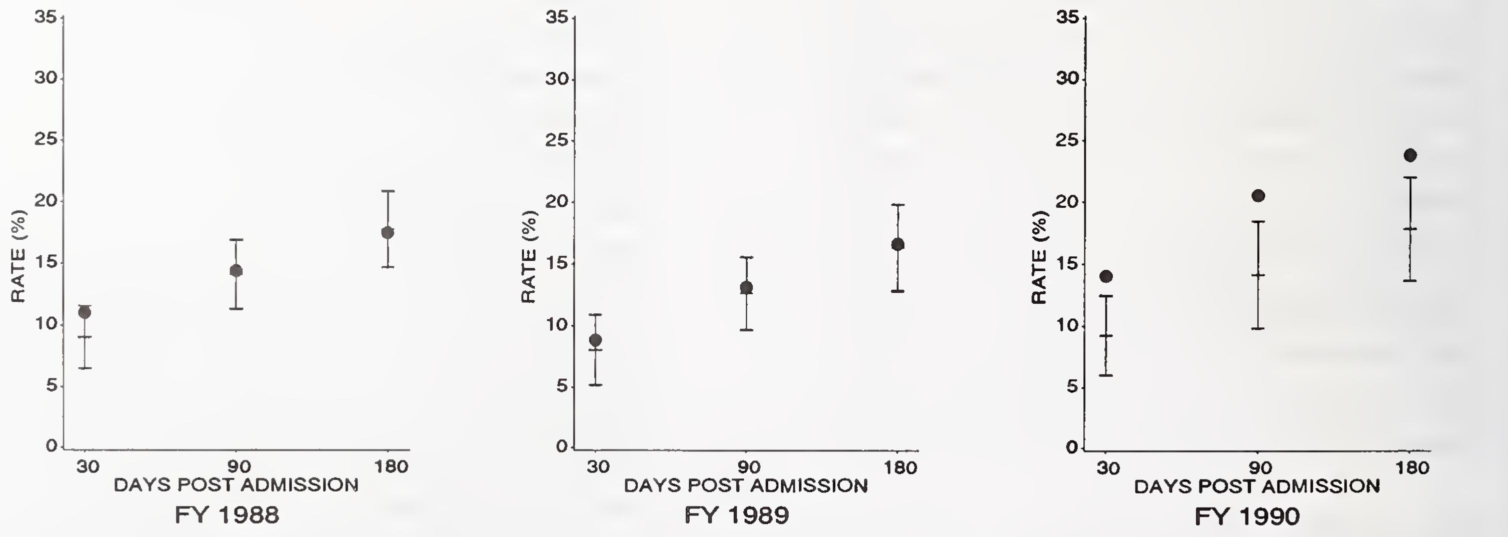
1542 BLOOMINGTON ST
GREENCASTLE, IN 46135
Medicare Provider Number: 150027

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	614	14.0	9.2	1.6	20.5	14.1	2.2	23.8	17.8	2.1
CONDITIONS:										
Acute Myocardial Infarction	19	73.7	32.2	-----	73.7	37.3	-----	84.2	40.7	-----
Congestive Heart Failure	33	21.2	15.6	-----	30.3	25.3	-----	39.4	31.8	-----
Pneumonia/Influenza	57	15.8	16.1	7.2	21.1	22.2	10.5	24.6	26.1	8.8
Chronic Obstructive Pulmonary Disease	9	22.2	7.4	-----	22.2	13.7	-----	22.2	18.9	-----
Transient Cerebral Ischemia	8	0.0	1.3	-----	0.0	3.1	-----	0.0	5.3	-----
Stroke	30	40.0	20.7	-----	50.0	28.2	-----	50.0	32.7	-----
Hip Fracture	16	0.0	5.1	-----	6.3	9.4	-----	6.3	12.5	-----
Sepsis	6	66.7	25.5	-----	66.7	30.9	-----	66.7	35.2	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	10	0.0	5.7	-----	10.0	10.8	-----	10.0	14.6	-----
Prostatectomy	20	5.0	1.1	-----	5.0	2.5	-----	5.0	4.4	-----
Cholecystectomy	7	0.0	1.3	-----	0.0	2.2	-----	0.0	2.8	-----
Hysterectomy	1	0.0	0.1	-----	0.0	0.2	-----	0.0	0.3	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

PUTNAM COUNTY HOSPITAL
Medicare Provider Number: 150027

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	76.8 years	Cancer	8.8 %
Proportion female	61.1 %	Chronic cardiovascular disease	35.5 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.7 %
Referred by personal or HMO physician	69.5 %	Chronic renal disease	2.1 %
Transferred from skilled nursing facility	0.5 %	Chronic pulmonary disease	16.8 %
Admitted for elective procedure	49.7 %	Cerebrovascular degeneration	5.0 %
Admitted for emergency	22.8 %	Diabetes mellitus	6.5 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City	77.9%	Hospital	5.7 Days
State	20.3%	State	8.0 Days
Outside State	1.8%	National	8.6 Days
Total	100.0%		

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:		SPECIALTY SERVICES:	
Total Beds	85	Burn Unit	No
Occupancy Rate	35.0 %	Cardiac Intensive Care	No
Ownership/Control	Local Government	Comprehensive Geriatric	Yes
Medicare Discharges	51.6 %	Hospice Care	No
Case Mix Index (CMI)	1.0116	Medical/Surgical Intensive Care	Yes
STAFFING:		Organ/Tissue Transplant	No
Total Number of Physicians	21	Other Intensive Care	No
Percent of Physicians Board Certified Specialists	66.7 %	Trauma Center	No
		OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Medical Residents/Interns	0	Alcohol/Drug	No
Registered Nurses	44	Rehabilitation	No
Licensed Practical Nurses	11	Psychiatric	No
		Medicare Swing Beds	Yes

** Except for CMI

* Not used in calculating mortality rates

RANDOLPH COUNTY HOSPITAL

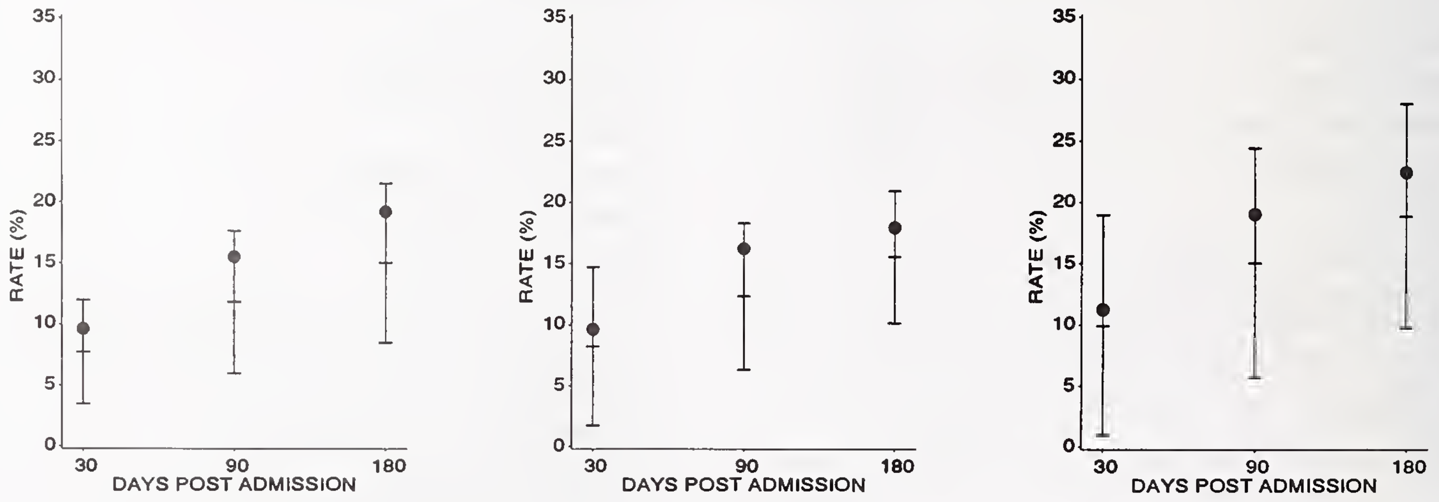
435 NORTH OAK ST
WINCHESTER, IN 47394
Medicare Provider Number: 150054

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	205	11.2	9.9	4.5	19.0	15.0	4.7	22.4	18.8	4.6
CONDITIONS:										
Acute Myocardial Infarction	4	25.0	29.3	-----	25.0	32.7	-----	25.0	35.4	-----
Congestive Heart Failure	18	11.1	13.3	-----	27.8	20.6	-----	33.3	26.8	-----
Pneumonia/Influenza	25	4.0	13.7	-----	8.0	19.3	-----	12.0	22.9	-----
Chronic Obstructive Pulmonary Disease	6	16.7	7.5	-----	16.7	14.0	-----	16.7	19.5	-----
Transient Cerebral Ischemia	4	25.0	1.4	-----	25.0	3.5	-----	25.0	6.2	-----
Stroke	9	22.2	22.0	-----	33.3	29.7	-----	33.3	34.5	-----
Hip Fracture	5	0.0	4.1	-----	0.0	8.0	-----	0.0	10.8	-----
Sepsis	2	0.0	27.0	-----	0.0	32.0	-----	0.0	35.3	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	3.1	-----	0.0	7.1	-----	0.0	10.4	-----
Open Reduction of Hip Fracture	4	0.0	3.7	-----	0.0	7.3	-----	0.0	9.9	-----
Prostatectomy	0									
Cholecystectomy	5	0.0	1.0	-----	0.0	1.7	-----	0.0	2.5	-----
Hysterectomy	0									

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

RANDOLPH COUNTY HOSPITAL

Medicare Provider Number: 150054

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	78.1 years
Proportion female	65.4 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	36.1 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	96.1 %
Admitted for emergency	0.5 %

COMORBIDITIES:	
Cancer	3.9 %
Chronic cardiovascular disease	43.4 %
Chronic liver disease	0.5 %
Chronic renal disease	1.5 %
Chronic pulmonary disease	14.1 %
Cerebrovascular degeneration	7.3 %
Diabetes mellitus	7.3 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	88.9%
State	6.3%
Outside State	4.8%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	5.5 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	35
Occupancy Rate	37.0 %
Ownership/Control	Local Government
Medicare Discharges	(Not Available)
Case Mix Index (CMI)	1.0799
STAFFING:	
Total Number of Physicians	(Not Available)
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	(Not Available)
Registered Nurses	(Not Available)
Licensed Practical Nurses	(Not Available)

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

** Except for CMI

* Not used in calculating mortality rates

REID MEMORIAL HOSPITAL

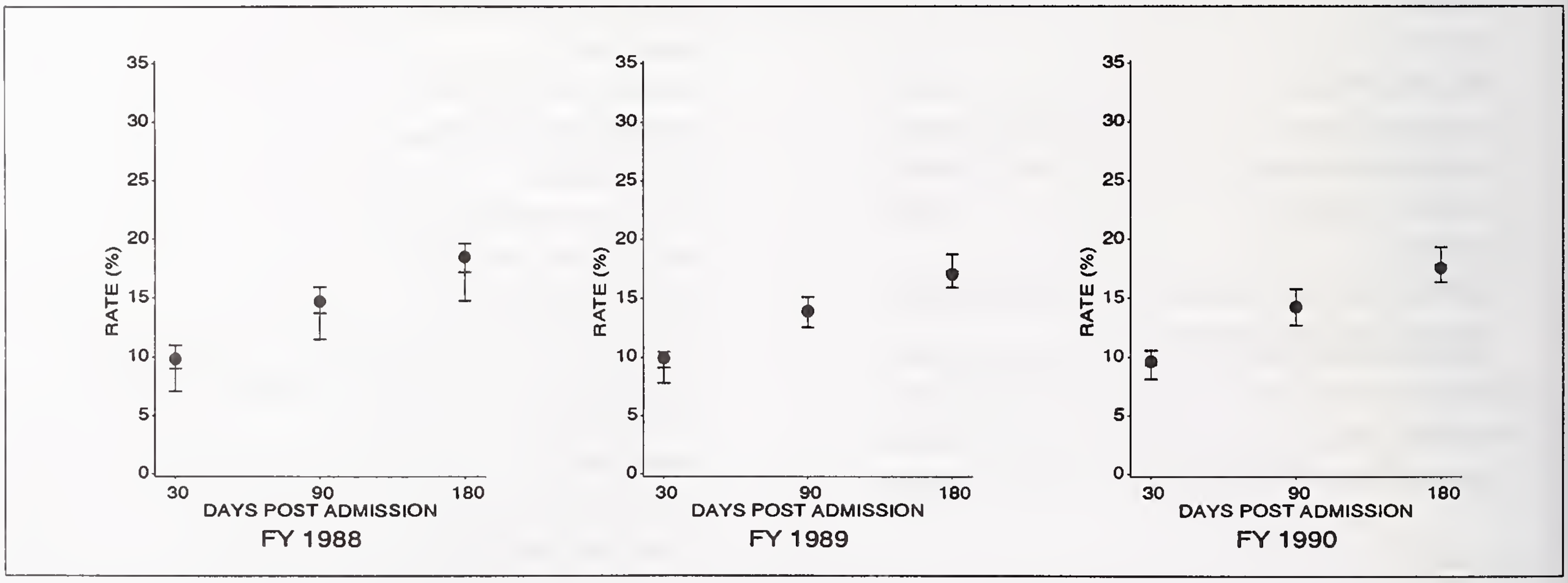
1401 CHESTER BOULEVARD
RICHMOND, IN 47374
Medicare Provider Number: 150048

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	2720	9.6	9.3	0.6	14.2	14.2	0.8	17.5	17.8	0.8
CONDITIONS:										
Acute Myocardial Infarction	111	30.6	29.1	4.6	36.0	32.3	5.4	41.4	35.2	6.5
Congestive Heart Failure	153	19.0	14.2	5.7	28.1	22.4	5.7	33.3	28.6	5.3
Pneumonia/Influenza	173	12.1	16.5	4.0	17.3	22.9	4.7	22.0	27.0	4.4
Chronic Obstructive Pulmonary Disease	55	10.9	7.1	4.7	18.2	12.7	6.5	21.8	17.2	7.9
Transient Cerebral Ischemia	36	0.0	1.6	-----	0.0	3.4	-----	5.6	5.6	-----
Stroke	80	18.8	20.4	5.6	32.5	27.2	6.2	36.2	31.0	6.1
Hip Fracture	88	10.2	6.6	4.0	15.9	11.8	5.3	18.2	15.3	6.8
Sepsis	34	17.6	24.3	-----	20.6	32.0	-----	26.5	36.9	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	5.9	4.1	-----	5.9	7.4	-----	11.8	10.3	-----
Carotid Endarterectomy	16	6.3	1.8	-----	6.3	3.5	-----	6.3	5.3	-----
Hip Replacement/Reconstruction	71	7.0	3.8	3.8	8.5	7.1	3.3	9.9	9.4	3.9
Open Reduction of Hip Fracture	41	7.3	5.9	-----	17.1	11.0	-----	22.0	14.6	-----
Prostatectomy	93	0.0	0.9	2.1	0.0	2.2	3.9	3.2	3.8	3.1
Cholecystectomy	75	0.0	2.1	2.1	1.3	3.9	2.9	1.3	5.3	3.6
Hysterectomy	24	0.0	0.1	-----	0.0	0.3	-----	0.0	0.6	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases Is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

REID MEMORIAL HOSPITAL
Medicare Provider Number: 150048

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	74.3 years
Proportion female	56.1 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	46.1 %
Transferred from skilled nursing facility	3.4 %
Admitted for elective procedure	17.3 %
Admitted for emergency	48.8 %

COMORBIDITIES:	
Cancer	9.7 %
Chronic cardiovascular disease	28.7 %
Chronic liver disease	0.6 %
Chronic renal disease	2.9 %
Chronic pulmonary disease	12.2 %
Cerebrovascular degeneration	4.7 %
Diabetes mellitus	6.7 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	70.6%
State	16.7%
Outside State	12.7%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	8.0 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	339
Occupancy Rate	65.0 %
Ownership.Control	Private, Non-Profit
Medicare Discharges	42.8 %
Case Mix Index (CMI)	1.1990
STAFFING:	
Total Number of Physicians	94
Percent of Physicians Board Certified Specialists	80.9 %
Medical Residents/Interns	0
Registered Nurses	224
Licensed Practical Nurses	66

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	Yes
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	Yes
Rehabilitation	No
Psychiatric	Yes
Medicare Swing Beds	No

** Except for CMI

*** Not used in calculating mortality rates**

RICHMOND STATE HOSPITAL

498 NORTH WEST 18TH STREET
RICHMOND, IN 47374
Medicare Provider Number: 150135

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD*	90 DAYS OBS	PRED	SD*	180 DAYS OBS	PRED	SD*
ALL CAUSES	37	5.4	3.2	-----	5.4	5.7	-----	5.4	7.9	-----
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	3	33.3	4.8	-----	33.3	6.8	-----	33.3	8.7	-----
Chronic Obstructive Pulmonary Disease	2	0.0	5.7	-----	0.0	11.6	-----	0.0	16.1	-----
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation was not computed for one or more of the three fiscal years, (1988, 1989, or 1990)

RICHMOND STATE HOSPITAL

Medicare Provider Number: 150135

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	60.2 years	Cancer	0.0 %
Proportion female	40.5 %	Chronic cardiovascular disease	13.5 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.0 %
Referred by personal or HMO physician	0.0 %	Chronic renal disease	0.0 %
Transferred from skilled nursing facility	0.0 %	Chronic pulmonary disease	8.1 %
Admitted for elective procedure	100.0 %	Cerebrovascular degeneration	54.1 %
Admitted for emergency	0.0 %	Diabetes mellitus	5.4 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City	65.1%	Hospital	62.4 Days
State	33.3%	State	8.0 Days
Outside State	1.6%	National	8.6 Days
Total	100.0%		

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:		SPECIALTY SERVICES:	
Total Beds	472	Burn Unit	No
Occupancy Rate	79.0 %	Cardiac Intensive Care	No
Ownership/Control	State Government	Comprehensive Geriatric	Yes
Medicare Discharges	(Not Available)	Hospice Care	No
Case Mix Index (CMI)	0.8233	Medical/Surgical Intensive Care	No
STAFFING:		Organ/Tissue Transplant	No
Total Number of Physicians	9	Other Intensive Care	No
Percent of Physicians Board Certified Specialists	(Not Available)	Trauma Center	No
		OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Medical Residents/Interns	0	Alcohol/Drug	Yes
Registered Nurses	53	Rehabilitation	No
Licensed Practical Nurses	15	Psychiatric	Yes
		Medicare Swing Beds	No

** Except for CMI

*** Not used in calculating mortality rates**

RIVERVIEW HOSPITAL

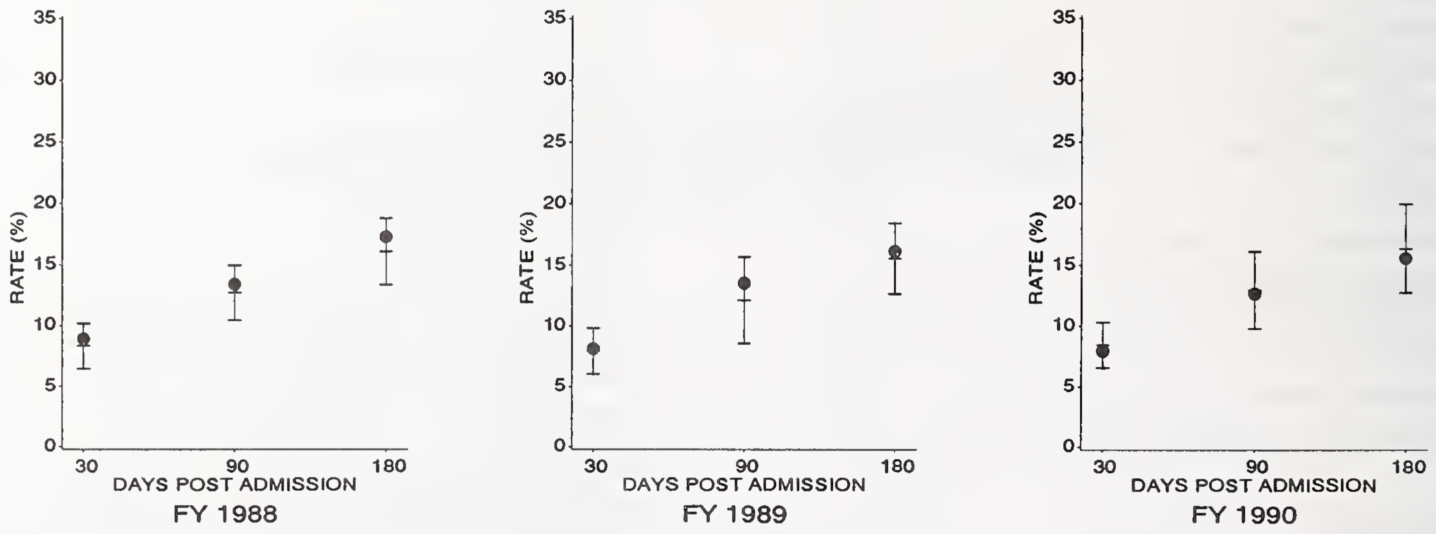
395 WESTFIELD RD
NOBLESVILLE, IN 46060
Medicare Provider Number: 150059

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD*	90 DAYS OBS	90 DAYS PRED	90 DAYS SD*	180 DAYS OBS	180 DAYS PRED	180 DAYS SD*
ALL CAUSES	1229	7.9	8.4	0.9	12.6	12.9	1.6	15.5	16.3	1.8
CONDITIONS:										
Acute Myocardial Infarction	37	32.4	27.7	-----	37.8	30.8	-----	40.5	33.8	-----
Congestive Heart Failure	55	9.1	13.7	7.6	18.2	21.4	9.0	20.0	27.2	10.4
Pneumonia/Influenza	92	14.1	14.6	3.7	19.6	20.4	5.3	22.8	23.9	6.6
Chronic Obstructive Pulmonary Disease	42	11.9	7.0	-----	23.8	12.9	-----	28.6	17.5	-----
Transient Cerebral Ischemia	19	0.0	1.4	-----	5.3	3.2	-----	5.3	5.4	-----
Stroke	42	16.7	18.7	-----	23.8	24.8	-----	23.8	28.6	-----
Hip Fracture	25	0.0	5.9	-----	12.0	10.8	-----	16.0	14.4	-----
Sepsis	6	33.3	17.0	-----	33.3	25.7	-----	33.3	31.3	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	14.3	4.9	-----	14.3	11.0	-----	14.3	16.4	-----
Carotid Endarterectomy	7	0.0	2.0	-----	0.0	3.7	-----	0.0	5.2	-----
Hip Replacement/Reconstruction	22	0.0	3.1	-----	0.0	6.1	-----	4.5	8.5	-----
Open Reduction of Hip Fracture	11	0.0	5.6	-----	27.3	10.9	-----	27.3	14.8	-----
Prostatectomy	10	0.0	0.8	-----	10.0	2.0	-----	10.0	3.6	-----
Cholecystectomy	36	0.0	2.4	-----	0.0	4.2	-----	2.8	5.7	-----
Hysterectomy	9	0.0	0.5	-----	0.0	1.0	-----	0.0	1.5	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



RIVERVIEW HOSPITAL

Medicare Provider Number: 150059

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	74.0 years
Proportion female	60.2 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	43.0 %
Transferred from skilled nursing facility	0.2 %
Admitted for elective procedure	15.0 %
Admitted for emergency	20.0 %

COMORBIDITIES:	
Cancer	7.2 %
Chronic cardiovascular disease	35.3 %
Chronic liver disease	0.5 %
Chronic renal disease	1.5 %
Chronic pulmonary disease	15.6 %
Cerebrovascular degeneration	5.3 %
Diabetes mellitus	5.9 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	77.9%
State	20.0%
Outside State	2.1%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	7.1 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	122
Occupancy Rate	66.0 %
Ownership/Control	Local Government
Medicare Discharges	30.7 %
Case Mix Index (CMI)	1.1527
STAFFING:	
Total Number of Physicians	89
Percent of Physicians Board Certified Specialists	87.6 %
Medical Residents/Interns	0
Registered Nurses	174
Licensed Practical Nurses	10

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

** Except for CMI

* Not used in calculating mortality rates

RUSH MEMORIAL HOSPITAL

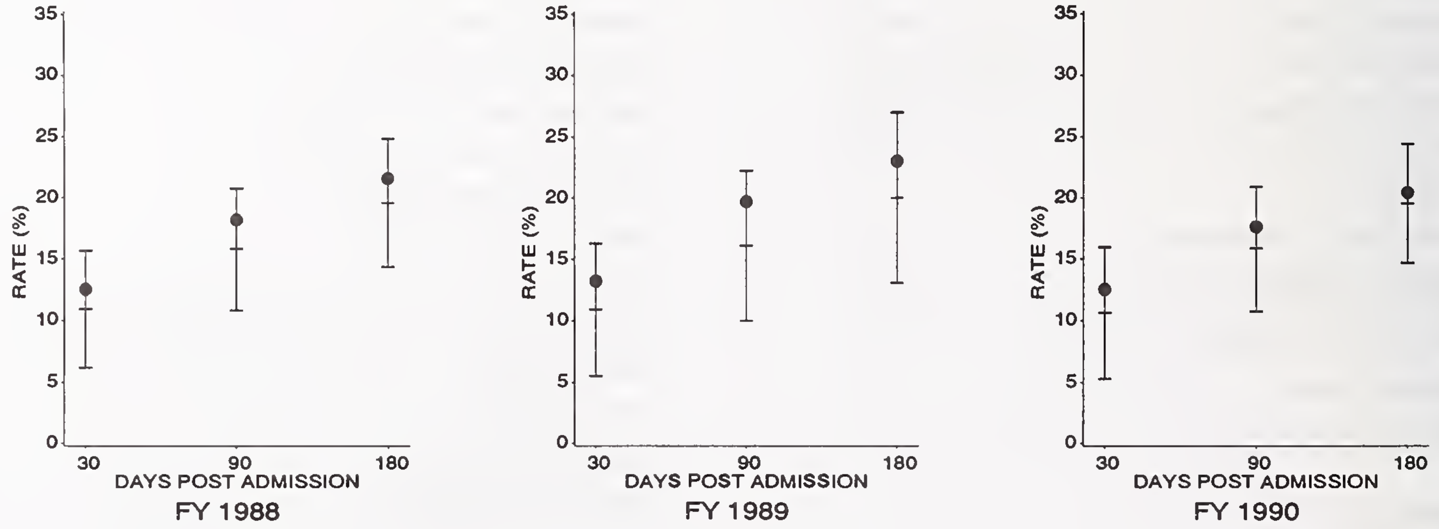
1300 N MAIN ST
RUSHVILLE, IN 46173
Medicare Provider Number: 150092

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	30 DAYS OBS	30 DAYS PRED	30 DAYS SD*	90 DAYS OBS	90 DAYS PRED	90 DAYS SD*	180 DAYS OBS	180 DAYS PRED	180 DAYS SD*
ALL CAUSES	289	12.5	10.6	2.7	17.6	15.8	2.5	20.4	19.5	2.4
CONDITIONS:										
Acute Myocardial Infarction	6	16.7	32.2	-----	16.7	35.7	-----	16.7	38.0	-----
Congestive Heart Failure	20	5.0	14.1	-----	10.0	21.2	-----	10.0	27.1	-----
Pneumonia/Influenza	20	35.0	24.0	-----	40.0	34.2	-----	50.0	39.3	-----
Chronic Obstructive Pulmonary Disease	2	0.0	4.5	-----	0.0	7.1	-----	0.0	9.5	-----
Transient Cerebral Ischemia	8	0.0	2.2	-----	12.5	5.1	-----	12.5	8.3	-----
Stroke	9	33.3	23.1	-----	44.4	30.8	-----	55.6	35.0	-----
Hip Fracture	6	0.0	6.1	-----	0.0	10.4	-----	0.0	13.5	-----
Sepsis	7	42.9	20.5	-----	42.9	29.3	-----	42.9	33.8	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	3.5	-----	0.0	5.9	-----	0.0	8.4	-----
Open Reduction of Hip Fracture	4	0.0	5.3	-----	0.0	9.7	-----	0.0	13.0	-----
Prostatectomy	14	7.1	0.8	-----	7.1	2.0	-----	7.1	3.5	-----
Cholecystectomy	7	0.0	1.0	-----	0.0	1.5	-----	0.0	2.0	-----
Hysterectomy	5	0.0	0.1	-----	0.0	0.2	-----	0.0	0.3	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



RUSH MEMORIAL HOSPITAL

Medicare Provider Number: 150092

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	77.5 years
Proportion female	58.8 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	25.6 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	14.5 %
Admitted for emergency	9.0 %

COMORBIDITIES:

Cancer	8.7 %
Chronic cardiovascular disease	47.4 %
Chronic liver disease	0.3 %
Chronic renal disease	1.4 %
Chronic pulmonary disease	23.2 %
Cerebrovascular degeneration	1.7 %
Diabetes mellitus	10.0 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	85.3%
State	13.0%
Outside State	1.7%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	4.2 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	52
Occupancy Rate	38.0 %
Ownership/Control	Local Government
Medicare Discharges	59.2 %
Case Mix Index (CMI)	1.1141

STAFFING:

Total Number of Physicians	9
Percent of Physicians Board Certified Specialists	22.2 %
Medical Residents/Interns	0
Registered Nurses	23
Licensed Practical Nurses	8

** Except for CMI

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	Yes

*** Not used in calculating mortality rates**

SCOTT COUNTY MEMORIAL HOSPITAL

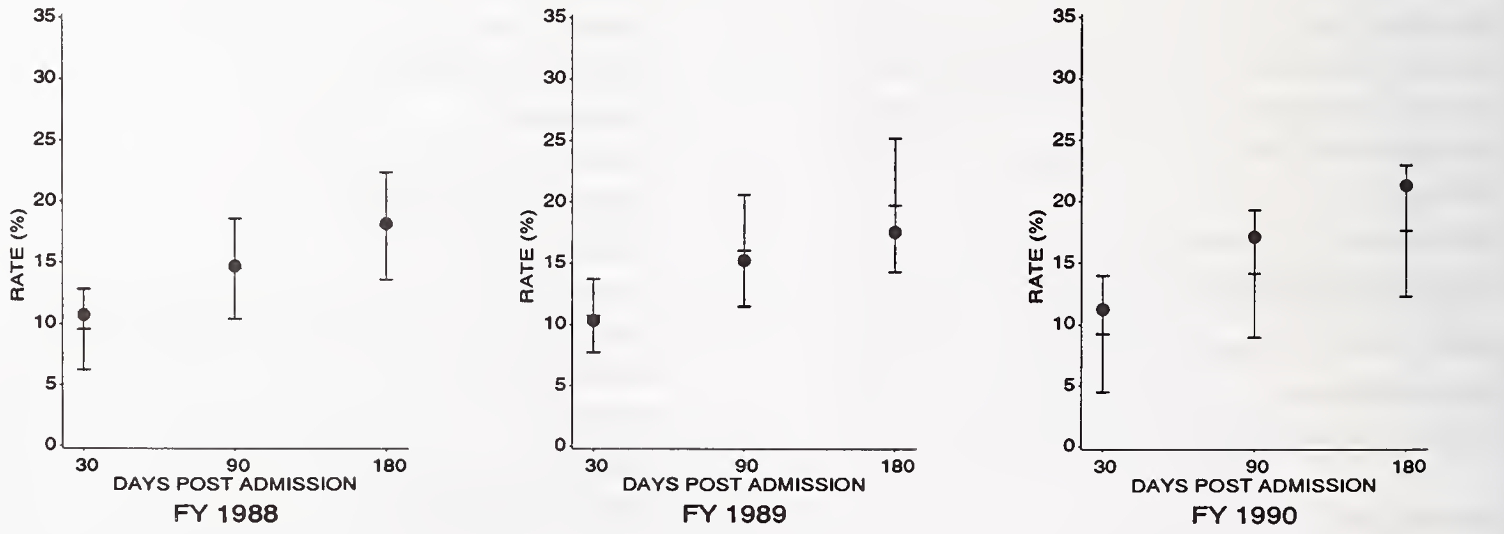
RR1, BOX 4456
SCOTTSBURG, IN 47170
Medicare Provider Number: 150052

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	428	11.2	9.2	2.4	17.1	14.1	2.6	21.3	17.6	2.7
CONDITIONS:										
Acute Myocardial Infarction	4	50.0	30.9	-----	50.0	33.3	-----	50.0	36.0	-----
Congestive Heart Failure	24	16.7	14.4	-----	25.0	22.7	-----	33.3	29.1	-----
Pneumonia/Influenza	60	10.0	14.7	8.0	15.0	20.1	8.7	18.3	23.8	9.7
Chronic Obstructive Pulmonary Disease	20	0.0	4.1	-----	0.0	7.8	-----	10.0	11.1	-----
Transient Cerebral Ischemia	6	0.0	2.8	-----	0.0	6.4	-----	0.0	10.1	-----
Stroke	21	19.0	19.1	-----	33.3	26.5	-----	33.3	30.2	-----
Hip Fracture	6	0.0	5.5	-----	0.0	9.6	-----	16.7	12.8	-----
Sepsis	7	71.4	27.9	-----	71.4	36.9	-----	85.7	42.7	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	2.9	-----	0.0	5.8	-----	0.0	8.5	-----
Open Reduction of Hip Fracture	1	0.0	7.1	-----	0.0	11.3	-----	0.0	13.8	-----
Prostatectomy	4	0.0	0.7	-----	0.0	1.8	-----	0.0	3.4	-----
Cholecystectomy	6	0.0	0.7	-----	16.7	1.4	-----	16.7	1.9	-----
Hysterectomy	0									

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



SCOTT COUNTY MEMORIAL HOSPITAL
Medicare Provider Number: 150052

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	74.7 years	Cancer	3.7 %
Proportion female	58.6 %	Chronic cardiovascular disease	36.9 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	1.2 %
Referred by personal or HMO physician	32.2 %	Chronic renal disease	2.8 %
Transferred from skilled nursing facility	0.2 %	Chronic pulmonary disease	23.6 %
Admitted for elective procedure	33.9 %	Cerebrovascular degeneration	4.4 %
Admitted for emergency	29.4 %	Diabetes mellitus	7.2 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City	80.2%	Hospital	5.7 Days
State	17.7%	State	8.0 Days
Outside State	2.1%	National	8.6 Days
Total	100.0%		

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:		SPECIALTY SERVICES:	
Total Beds	54	Burn Unit	No
Occupancy Rate	30.0 %	Cardiac Intensive Care	No
Ownership/Control	Local Government	Comprehensive Geriatric	No
Medicare Discharges	51.2 %	Hospice Care	No
Case Mix Index (CMI)	1.0323	Medical/Surgical Intensive Care	No
STAFFING:		Organ/Tissue Transplant	No
Total Number of Physicians	9	Other Intensive Care	No
Percent of Physicians Board Certified Specialists	11.1 %	Trauma Center	No
		OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Medical Residents/Interns	0	Alcohol/Drug	No
Registered Nurses	22	Rehabilitation	No
Licensed Practical Nurses	18	Psychiatric	No
		Medicare Swing Beds	Yes

** Except for CMI

*** Not used in calculating mortality rates**

ST ANTHONY HOSPITAL

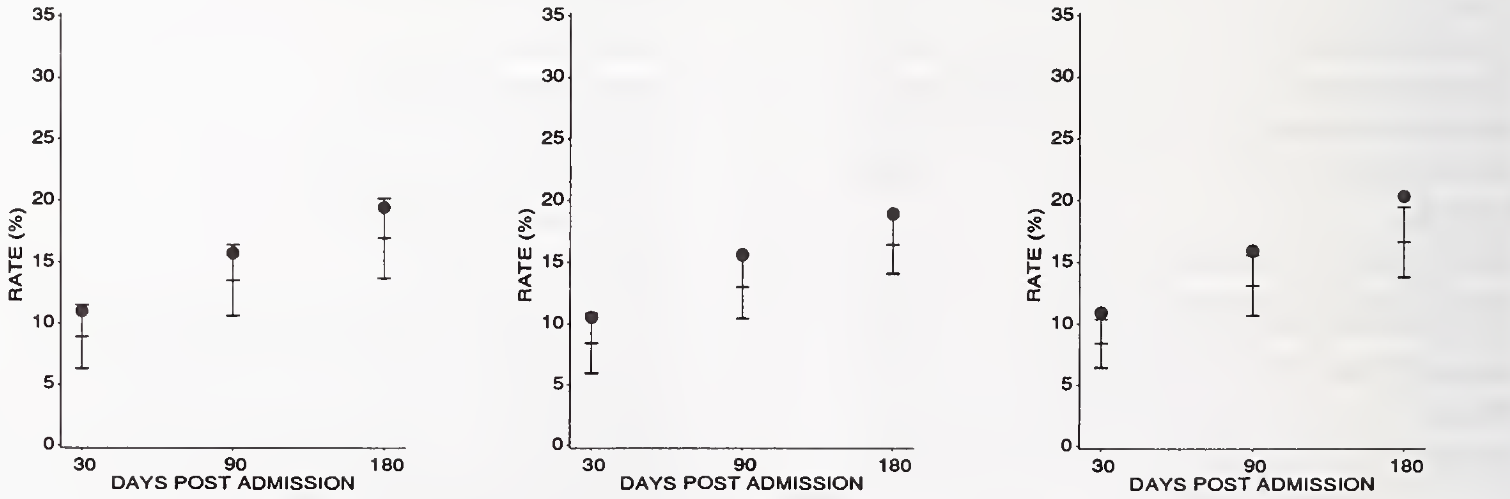
310 W HOMER ST
MICHIGAN CITY, IN 46360
Medicare Provider Number: 150015

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	1487	10.9	8.4	1.0	15.9	13.1	1.2	20.3	16.6	1.4
CONDITIONS:										
Acute Myocardial Infarction	44	29.5	20.9	-----	34.1	23.7	-----	38.6	26.2	-----
Congestive Heart Failure	90	17.8	12.9	5.7	25.6	20.5	6.2	32.2	26.4	6.7
Pneumonia/Influenza	69	17.4	13.9	5.1	17.4	18.8	4.9	21.7	22.4	5.1
Chronic Obstructive Pulmonary Disease	31	0.0	4.7	-----	3.2	8.7	-----	16.1	12.2	-----
Transient Cerebral Ischemia	24	0.0	1.3	-----	0.0	2.9	-----	8.3	4.9	-----
Stroke	55	20.0	15.8	8.9	32.7	21.9	11.3	34.5	25.5	12.1
Hip Fracture	41	7.3	4.3	-----	9.8	7.8	-----	14.6	10.5	-----
Sepsis	27	11.1	15.9	-----	18.5	21.3	-----	18.5	25.4	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	1.5	-----	0.0	2.9	-----	0.0	4.3	-----
Carotid Endarterectomy	1	0.0	1.2	-----	0.0	2.6	-----	0.0	4.2	-----
Hip Replacement/Reconstruction	24	4.2	1.9	-----	8.3	3.5	-----	12.5	4.9	-----
Open Reduction of Hip Fracture	19	0.0	4.0	-----	0.0	7.3	-----	5.3	10.1	-----
Prostatectomy	54	3.7	0.8	3.0	3.7	1.8	4.2	5.6	3.2	5.3
Cholecystectomy	39	10.3	5.8	-----	10.3	10.0	-----	12.8	12.8	-----
Hysterectomy	7	0.0	0.5	-----	14.3	1.3	-----	14.3	2.3	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

ST ANTHONY HOSPITAL
Medicare Provider Number: 150015

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	74.4 years
Proportion female	57.3 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	41.0 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	35.1 %
Admitted for emergency	15.4 %

COMORBIDITIES:

Cancer	6.9 %
Chronic cardiovascular disease	30.8 %
Chronic liver disease	1.3 %
Chronic renal disease	2.8 %
Chronic pulmonary disease	15.9 %
Cerebrovascular degeneration	3.6 %
Diabetes mellitus	8.4 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	78.2%
State	8.9%
Outside State	12.9%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	7.9 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	156
Occupancy Rate	78.0 %
Ownership/Control	Church
Medicare Discharges	38.3 %
Case Mix Index (CMI)	1.2108

STAFFING:

Total Number of Physicians	77
Percent of Physicians Board Certified Specialists	75.3 %
Medical Residents/Interns	0
Registered Nurses	136
Licensed Practical Nurses	16

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	Yes
Psychiatric	No
Medicare Swing Beds	No

** Except for CMI

* Not used in calculating mortality rates

ST ANTHONY MEDICAL CENTER INC

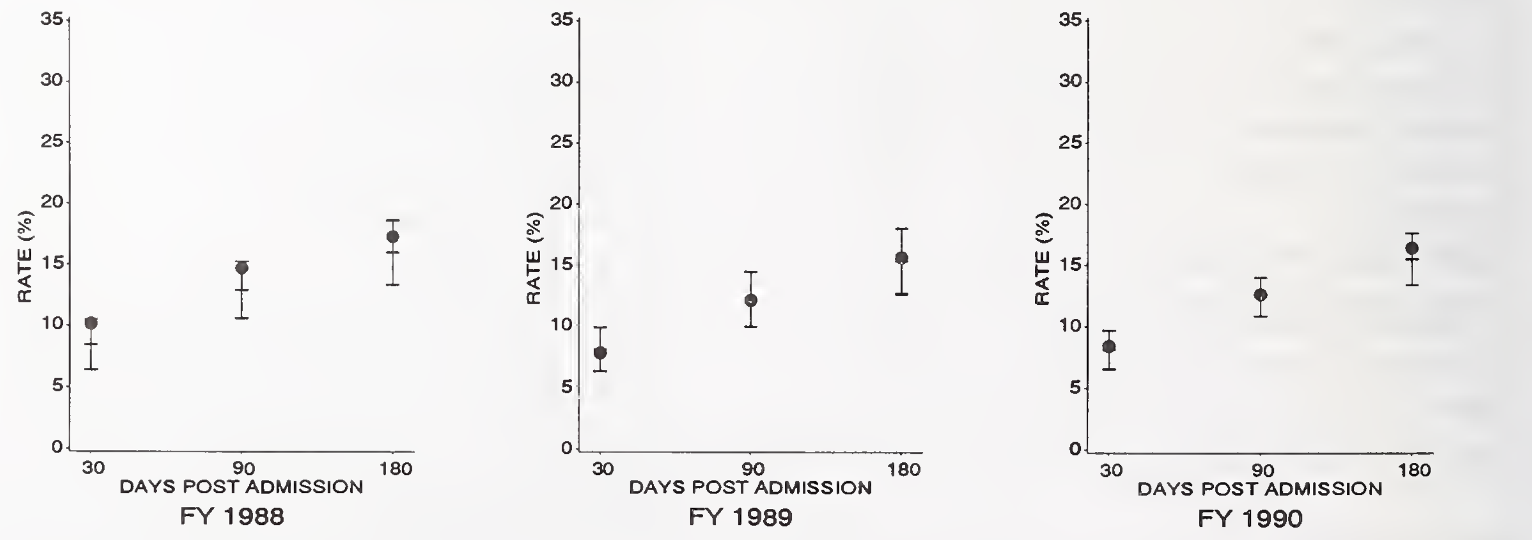
MAIN AND FRANCISCAN RD
CROWN POINT, IN 46307
Medicare Provider Number: 150126

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	1943	8.4	8.1	0.8	12.6	12.4	0.8	16.4	15.5	1.1
CONDITIONS:										
Acute Myocardial Infarction	43	30.2	26.5	-----	32.6	29.3	-----	32.6	31.8	-----
Congestive Heart Failure	84	14.3	13.8	4.0	22.6	22.2	5.0	33.3	28.2	7.0
Pneumonia/Influenza	61	24.6	14.5	6.6	36.1	19.8	8.5	41.0	23.6	8.7
Chronic Obstructive Pulmonary Disease	42	9.5	11.4	-----	11.9	19.5	-----	21.4	25.0	-----
Transient Cerebral Ischemia	41	0.0	1.8	-----	4.9	3.8	-----	7.3	5.9	-----
Stroke	73	19.2	18.5	5.0	24.7	24.9	5.1	27.4	28.5	5.4
Hip Fracture	52	1.9	6.2	5.8	7.7	11.1	7.0	9.6	14.6	6.7
Sepsis	18	27.8	27.6	-----	33.3	38.5	-----	50.0	44.3	-----
PROCEDURES:										
Angioplasty	36	0.0	2.3	-----	0.0	3.1	-----	0.0	3.9	-----
Coronary Artery Bypass Graft	83	8.4	4.9	4.5	9.6	6.8	4.7	12.0	7.7	5.6
Initial Pacemaker Insertion	11	9.1	2.7	-----	9.1	5.6	-----	18.2	8.4	-----
Carotid Endarterectomy	22	4.5	1.0	-----	4.5	1.9	-----	4.5	3.0	-----
Hip Replacement/Reconstruction	62	1.6	3.2	2.6	4.8	5.7	3.1	6.5	7.6	3.6
Open Reduction of Hip Fracture	18	0.0	5.3	-----	5.6	10.0	-----	5.6	13.4	-----
Prostatectomy	91	2.2	1.4	2.3	3.3	3.2	3.7	8.8	5.3	4.0
Cholecystectomy	56	3.6	2.4	2.2	3.6	4.3	2.8	3.6	5.5	3.4
Hysterectomy	8	0.0	0.7	-----	0.0	1.7	-----	0.0	2.8	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



ST ANTHONY MEDICAL CENTER INC

Medicare Provider Number: 150126

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	73.3 years
Proportion female	51.6 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	68.8 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	27.1 %
Admitted for emergency	42.7 %

COMORBIDITIES:

Cancer	7.7 %
Chronic cardiovascular disease	42.0 %
Chronic liver disease	0.8 %
Chronic renal disease	2.6 %
Chronic pulmonary disease	17.6 %
Cerebrovascular degeneration	2.7 %
Diabetes mellitus	9.0 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	70.6%
State	24.9%
Outside State	4.5%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	9.9 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	330
Occupancy Rate	44.0 %
Ownership/Control	Church
Medicare Discharges	39.9 %
Case Mix Index (CMI)	1.5502

STAFFING:

Total Number of Physicians	226
Percent of Physicians Board Certified Specialists	65.0 %
Medical Residents/Interns	0
Registered Nurses	299
Licensed Practical Nurses	20

** Except for CMI

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	Yes
Psychiatric	Yes
Medicare Swing Beds	No

*** Not used in calculating mortality rates**

ST CATHERINE HOSPITAL

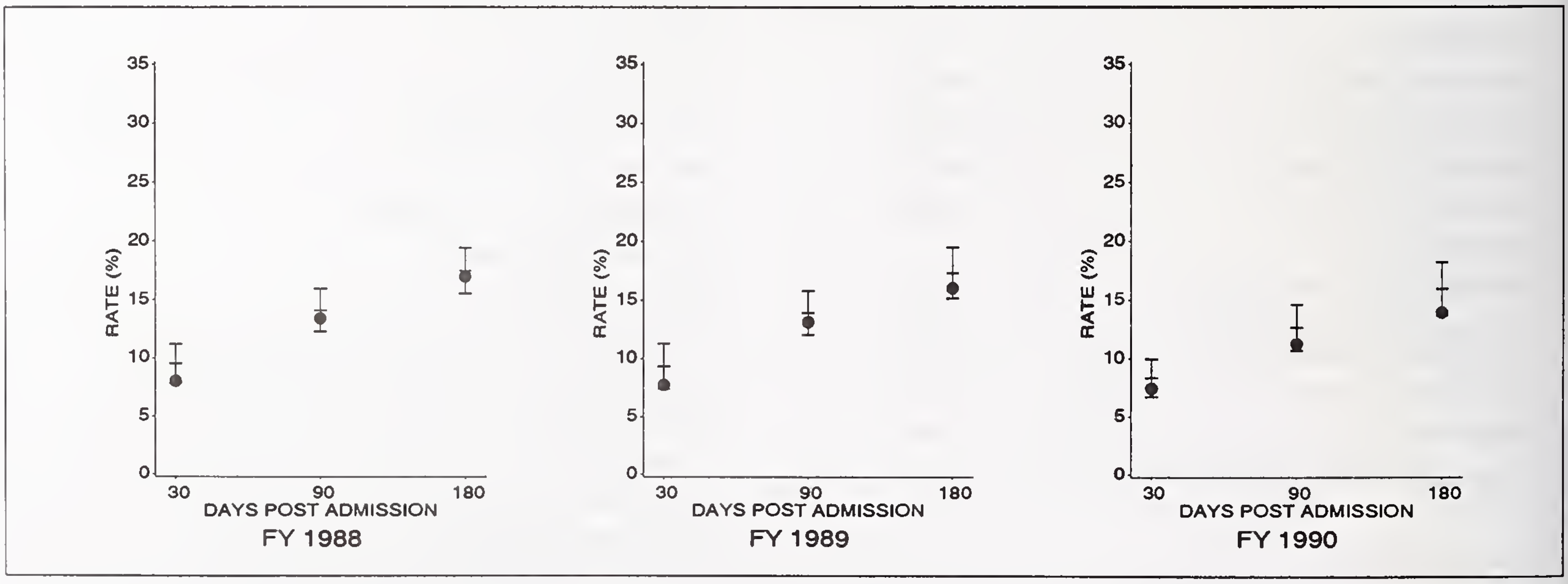
4321 FIR ST
EAST CHICAGO, IN 46312
Medicare Provider Number: 150008

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD*	90 DAYS OBS	PRED	SD*	180 DAYS OBS	PRED	SD*
ALL CAUSES	1805	7.4	8.3	0.8	11.2	12.6	1.0	13.9	15.9	1.1
CONDITIONS:										
Acute Myocardial Infarction	38	23.7	27.7	-----	31.6	30.1	-----	31.6	32.7	-----
Congestive Heart Failure	121	16.5	13.4	4.2	20.7	21.4	4.4	28.9	27.4	4.2
Pneumonia/Influenza	67	3.0	13.9	5.3	6.0	18.9	6.1	14.9	21.9	6.5
Chronic Obstructive Pulmonary Disease	23	13.0	12.8	-----	13.0	20.9	-----	17.4	26.2	-----
Transient Cerebral Ischemia	25	0.0	2.4	-----	0.0	5.3	-----	0.0	8.2	-----
Stroke	76	17.1	21.2	7.0	26.3	26.1	7.8	28.9	29.4	5.9
Hip Fracture	29	6.9	5.4	-----	10.3	9.6	-----	10.3	12.5	-----
Sepsis	25	20.0	21.2	-----	28.0	27.9	-----	32.0	31.9	-----
PROCEDURES:										
Angioplasty	22	4.5	3.1	-----	4.5	3.7	-----	4.5	4.4	-----
Coronary Artery Bypass Graft	46	8.7	6.3	-----	17.4	8.7	-----	19.6	9.9	-----
Initial Pacemaker Insertion	10	10.0	3.5	-----	10.0	7.2	-----	10.0	10.9	-----
Carotid Endarterectomy	8	0.0	2.2	-----	0.0	3.9	-----	0.0	5.5	-----
Hip Replacement/Reconstruction	32	3.1	1.6	-----	3.1	3.0	-----	3.1	4.2	-----
Open Reduction of Hip Fracture	10	0.0	5.4	-----	10.0	10.2	-----	10.0	13.6	-----
Prostatectomy	55	1.8	1.6	1.9	1.8	3.6	3.0	3.6	5.8	3.9
Cholecystectomy	37	5.4	4.5	-----	13.5	7.6	-----	16.2	9.5	-----
Hysterectomy	10	0.0	0.3	-----	0.0	0.7	-----	0.0	1.2	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



ST CATHERINE HOSPITAL

Medicare Provider Number: 150008

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	70.5 years
Proportion female	51.2 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	38.4 %
Transferred from skilled nursing facility	0.1 %
Admitted for elective procedure	2.0 %
Admitted for emergency	60.7 %

COMORBIDITIES:

Cancer	6.6 %
Chronic cardiovascular disease	33.7 %
Chronic liver disease	1.3 %
Chronic renal disease	2.6 %
Chronic pulmonary disease	19.1 %
Cerebrovascular degeneration	2.6 %
Diabetes mellitus	14.6 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	94.5%
State	1.4%
Outside State	4.1%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	10.7 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: Health Care Financing Administration (OSCAR)** - Survey Year 1991

PROFILE:

Total Beds	290
Ownership/Control	Church
Case Mix Index (CMI)	1.3129

STAFFING:

Medical Residents/Interns	10
Registered Nurses	226
Licensed Practical Nurses	0

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	Yes
Hospice Care	No
Intensive Care Unit	Yes
Organ Transplant	No
Trauma Center	Yes

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	Yes
Psychiatric	Yes
Medicare Swing Beds	No

** Except for CMI

*** Not used in calculating mortality rates**

ST ELIZABETH HOSPITAL MEDICAL CENTER

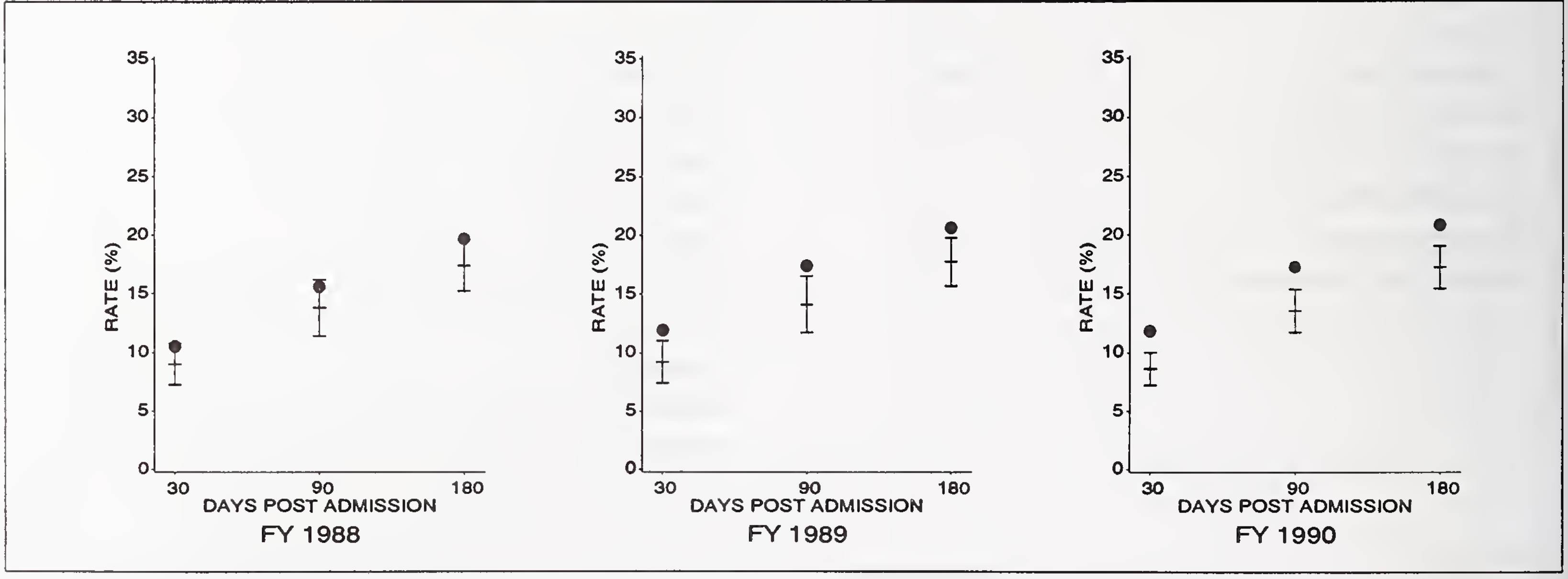
1501 HARTFORD STREET
LAFAYETTE, IN 47904
Medicare Provider Number: 150003

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	2268	11.8	8.6	0.7	17.2	13.5	0.9	20.8	17.2	0.9
CONDITIONS:										
Acute Myocardial Infarction	87	26.4	23.1	6.5	32.2	25.8	8.2	33.3	28.4	8.4
Congestive Heart Failure	106	21.7	13.7	5.8	33.0	21.7	6.7	37.7	28.0	6.5
Pneumonia/Influenza	88	11.4	13.0	4.0	12.5	18.2	5.9	20.5	21.8	5.6
Chronic Obstructive Pulmonary Disease	52	5.8	5.4	3.3	9.6	9.6	4.8	9.6	13.3	6.3
Transient Cerebral Ischemia	19	0.0	1.8	-----	10.5	4.2	-----	10.5	7.0	-----
Stroke	63	22.2	18.8	6.4	27.0	24.3	5.9	30.2	28.0	6.3
Hip Fracture	72	6.9	5.2	4.2	16.7	9.4	6.3	19.4	12.5	7.2
Sepsis	19	10.5	20.4	-----	10.5	27.7	-----	15.8	32.5	-----
PROCEDURES:										
Angioplasty	50	0.0	2.3	-----	2.0	3.2	-----	2.0	4.1	-----
Coronary Artery Bypass Graft	71	12.7	5.1	3.9	18.3	7.3	5.2	19.7	8.3	5.6
Initial Pacemaker Insertion	21	14.3	2.5	-----	14.3	4.7	-----	14.3	6.5	-----
Carotid Endarterectomy	6	0.0	1.3	-----	16.7	2.3	-----	16.7	3.3	-----
Hip Replacement/Reconstruction	41	7.3	2.6	-----	14.6	5.2	-----	17.1	7.6	-----
Open Reduction of Hip Fracture	34	2.9	4.6	-----	17.6	8.4	-----	20.6	11.5	-----
Prostatectomy	82	2.4	0.9	1.8	2.4	2.0	1.6	3.7	3.5	2.4
Cholecystectomy	51	3.9	2.1	4.0	9.8	4.0	5.2	9.8	5.4	4.7
Hysterectomy	12	0.0	1.1	-----	0.0	2.4	-----	0.0	3.8	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

ST ELIZABETH HOSPITAL MEDICAL CENTER

Medicare Provider Number: 150003

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	73.5 years
Proportion female	53.8 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	94.6 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	31.3 %
Admitted for emergency	41.7 %

COMORBIDITIES:	
Cancer	10.6 %
Chronic cardiovascular disease	36.3 %
Chronic liver disease	0.7 %
Chronic renal disease	4.5 %
Chronic pulmonary disease	17.3 %
Cerebrovascular degeneration	3.5 %
Diabetes mellitus	10.8 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	47.5%
State	50.1%
Outside State	2.4%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	7.5 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	259
Occupancy Rate	58.0 %
Ownership/Control	Church
Medicare Discharges	44.7 %
Case Mix Index (CMI)	1.5169
STAFFING:	
Total Number of Physicians	195
Percent of Physicians Board Certified Specialists	76.4 %
Medical Residents/Interns	0
Registered Nurses	232
Licensed Practical Nurses	54

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	Yes

** Except for CMI

*** Not used in calculating mortality rates**

ST FRANCIS HOSPITAL CENTER

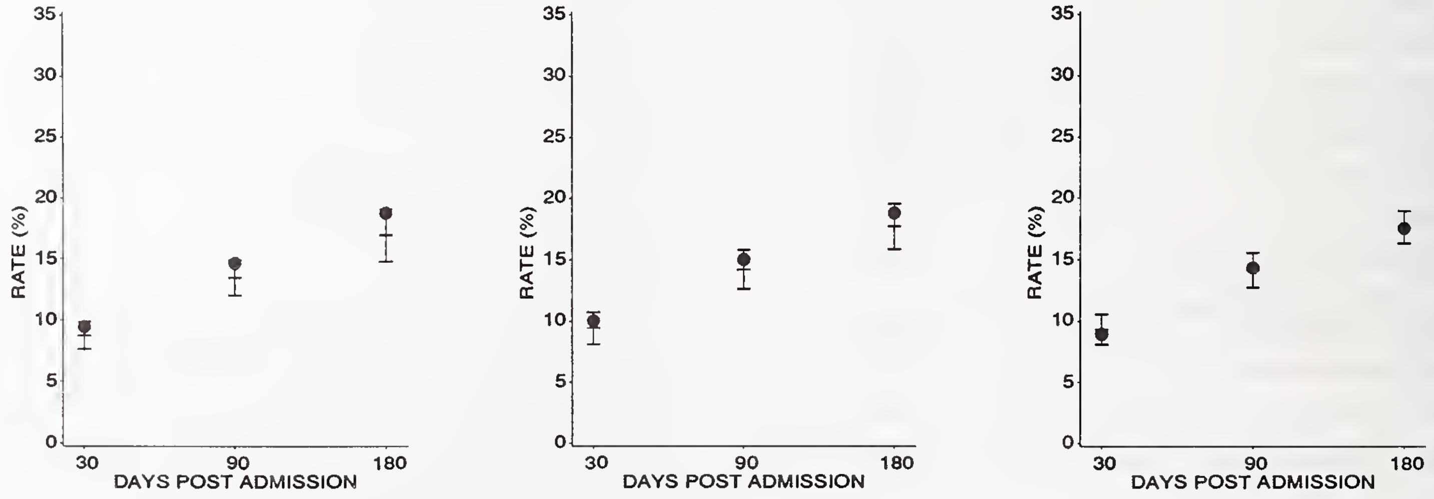
1600 ALBANY STREET
BEECH GROVE, IN 46107
Medicare Provider Number: 150033

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	3729	8.9	9.3	0.6	14.3	14.1	0.7	17.5	17.6	0.7
CONDITIONS:										
Acute Myocardial Infarction	96	27.1	27.5	4.6	28.1	30.3	5.0	30.2	32.9	5.4
Congestive Heart Failure	189	14.3	15.1	2.8	25.9	24.1	4.1	31.7	30.6	5.9
Pneumonia/Influenza	170	20.0	16.1	5.4	24.7	22.2	5.2	30.0	26.0	5.7
Chronic Obstructive Pulmonary Disease	67	9.0	6.8	3.5	19.4	12.7	5.3	28.4	17.3	6.7
Transient Cerebral Ischemia	41	0.0	1.6	-----	7.3	3.8	-----	9.8	6.2	-----
Stroke	142	17.6	19.6	4.1	23.9	25.7	4.9	30.3	29.5	5.1
Hip Fracture	105	5.7	5.7	2.3	8.6	10.1	3.2	11.4	13.1	3.6
Sepsis	58	24.1	27.4	6.2	36.2	35.6	8.0	37.9	40.9	8.5
PROCEDURES:										
Angioplasty	109	2.8	3.1	1.7	6.4	4.1	2.6	6.4	5.1	2.5
Coronary Artery Bypass Graft	113	7.1	3.6	2.8	8.8	5.3	2.9	8.8	6.2	2.7
Initial Pacemaker Insertion	25	8.0	3.1	-----	8.0	6.0	-----	16.0	8.7	-----
Carotid Endarterectomy	26	0.0	1.0	-----	3.8	1.8	-----	3.8	2.9	-----
Hip Replacement/Reconstruction	64	6.3	1.9	3.4	6.3	3.6	3.2	6.3	5.0	3.5
Open Reduction of Hip Fracture	58	5.2	5.2	3.6	8.6	9.4	3.9	10.3	12.5	4.7
Prostatectomy	107	0.9	1.0	1.0	0.9	2.5	2.0	1.9	4.2	3.0
Cholecystectomy	99	1.0	3.5	2.9	4.0	6.6	3.8	4.0	8.7	5.1
Hysterectomy	43	0.0	0.4	-----	2.3	1.1	-----	2.3	1.8	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988 FY 1989 FY 1990

ST FRANCIS HOSPITAL CENTER

Medicare Provider Number: 150033

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	74.2 years
Proportion female	60.2 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	46.0 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	28.7 %
Admitted for emergency	62.3 %

COMORBIDITIES:

Cancer	8.9 %
Chronic cardiovascular disease	30.7 %
Chronic liver disease	1.0 %
Chronic renal disease	2.3 %
Chronic pulmonary disease	17.4 %
Cerebrovascular degeneration	5.2 %
Diabetes mellitus	7.0 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	77.1%
State	21.0%
Outside State	1.9%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	9.1 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	425
Occupancy Rate	78.0 %
Ownership/Control	Church
Medicare Discharges	35.2 %
Case Mix Index (CMI)	1.5190

STAFFING:

Total Number of Physicians	192
Percent of Physicians Board Certified Specialists	76.6 %
Medical Residents/Interns	18
Registered Nurses	442
Licensed Practical Nurses	43

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	Yes
Medicare Swing Beds	No

** Except for CMI

*** Not used in calculating mortality rates**

ST JOHNS HEALTH CARE CORPORATION

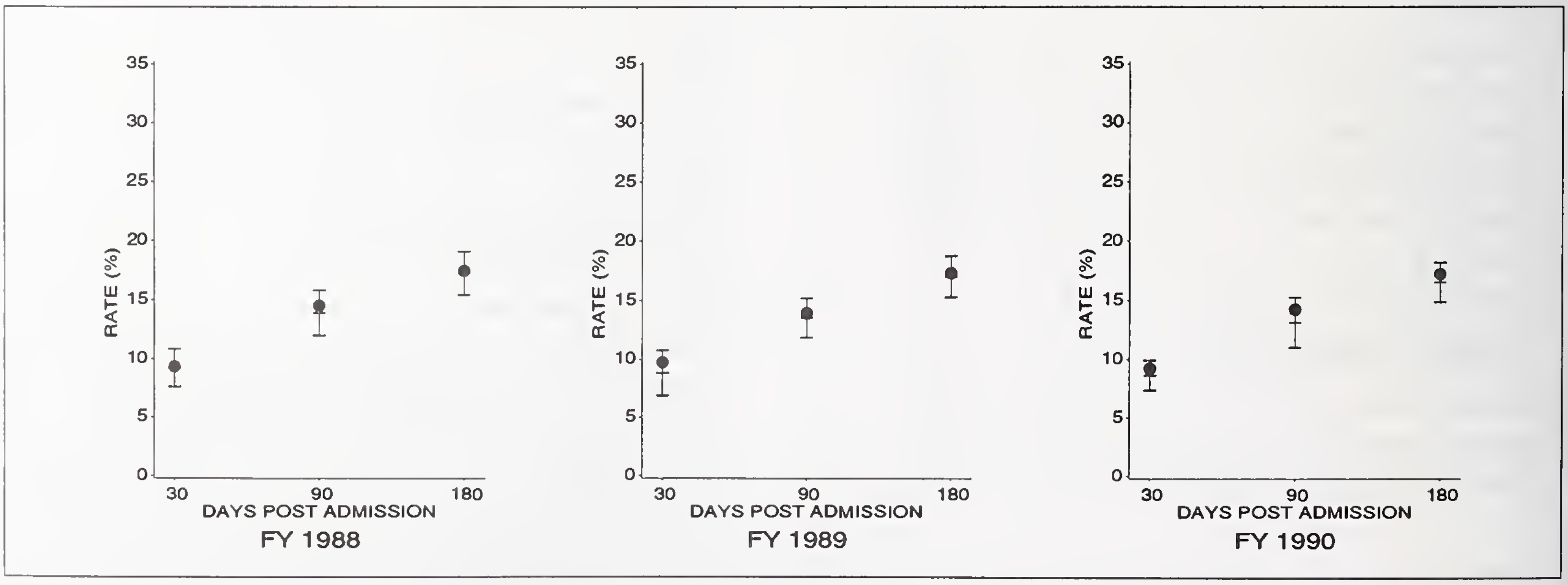
2015 JACKSON ST
ANDERSON, IN 46014
Medicare Provider Number: 150088

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD*	90 DAYS OBS	PRED	SD*	180 DAYS OBS	PRED	SD*
ALL CAUSES	2145	9.2	8.6	0.6	14.2	13.1	1.1	17.2	16.5	0.8
CONDITIONS:										
Acute Myocardial Infarction	57	15.8	24.6	8.9	15.8	27.2	9.3	26.3	29.6	8.7
Congestive Heart Failure	135	19.3	13.0	5.1	30.4	21.0	6.1	34.8	27.1	5.9
Pneumonia/Influenza	112	18.8	13.2	5.6	25.0	18.4	5.1	25.0	21.6	5.1
Chronic Obstructive Pulmonary Disease	21	4.8	14.2	-----	9.5	22.6	-----	9.5	28.3	-----
Transient Cerebral Ischemia	31	3.2	2.1	-----	3.2	4.6	-----	3.2	7.1	-----
Stroke	101	25.7	17.2	4.5	32.7	23.6	4.9	40.6	27.6	5.7
Hip Fracture	49	10.2	5.9	-----	16.3	10.7	-----	20.4	14.3	-----
Sepsis	35	22.9	23.4	-----	31.4	30.7	-----	42.9	34.8	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	2.0	-----	7.1	4.2	-----	14.3	6.7	-----
Carotid Endarterectomy	13	0.0	1.3	-----	0.0	2.3	-----	0.0	3.3	-----
Hip Replacement/Reconstruction	42	7.1	3.9	-----	11.9	7.4	-----	14.3	10.1	-----
Open Reduction of Hip Fracture	23	4.3	5.5	-----	13.0	10.1	-----	13.0	13.5	-----
Prostatectomy	59	0.0	1.1	1.8	0.0	2.5	3.6	5.1	4.1	2.7
Cholecystectomy	56	1.8	1.6	2.0	1.8	2.9	2.6	1.8	3.9	3.1
Hysterectomy	22	0.0	0.6	-----	0.0	1.4	-----	0.0	2.4	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



ST JOHNS HEALTH CARE CORPORATION

Medicare Provider Number: 150088

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	73.4 years	Cancer	8.7 %
Proportion female	58.1 %	Chronic cardiovascular disease	39.1 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	1.0 %
Referred by personal or HMO physician	79.5 %	Chronic renal disease	1.5 %
Transferred from skilled nursing facility	0.0 %	Chronic pulmonary disease	15.1 %
Admitted for elective procedure	24.3 %	Cerebrovascular degeneration	2.5 %
Admitted for emergency	50.7 %	Diabetes mellitus	7.4 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City	88.5%	Hospital	8.2 Days
State	9.2%	State	8.0 Days
Outside State	2.3%	National	8.6 Days
Total	100.0%		

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:		SPECIALTY SERVICES:	
Total Beds	371	Burn Unit	No
Occupancy Rate	53.0 %	Cardiac Intensive Care	No
Ownership/Control	Church	Comprehensive Geriatric	No
Medicare Discharges	36.5 %	Hospice Care	Yes
Case Mix Index (CMI)	1.1669	Medical/Surgical Intensive Care	Yes
STAFFING:		Organ/Tissue Transplant	No
Total Number of Physicians	93	Other Intensive Care	No
Percent of Physicians Board Certified Specialists	67.7 %	Trauma Center	No
		OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Medical Residents/Interns	0	Alcohol/Drug	Yes
Registered Nurses	192	Rehabilitation	Yes
Licensed Practical Nurses	50	Psychiatric	Yes
		Medicare Swing Beds	Yes

** Except for CMI

*** Not used in calculating mortality rates**

ST JOSEPH HOSPITAL & HEALTH CENTER

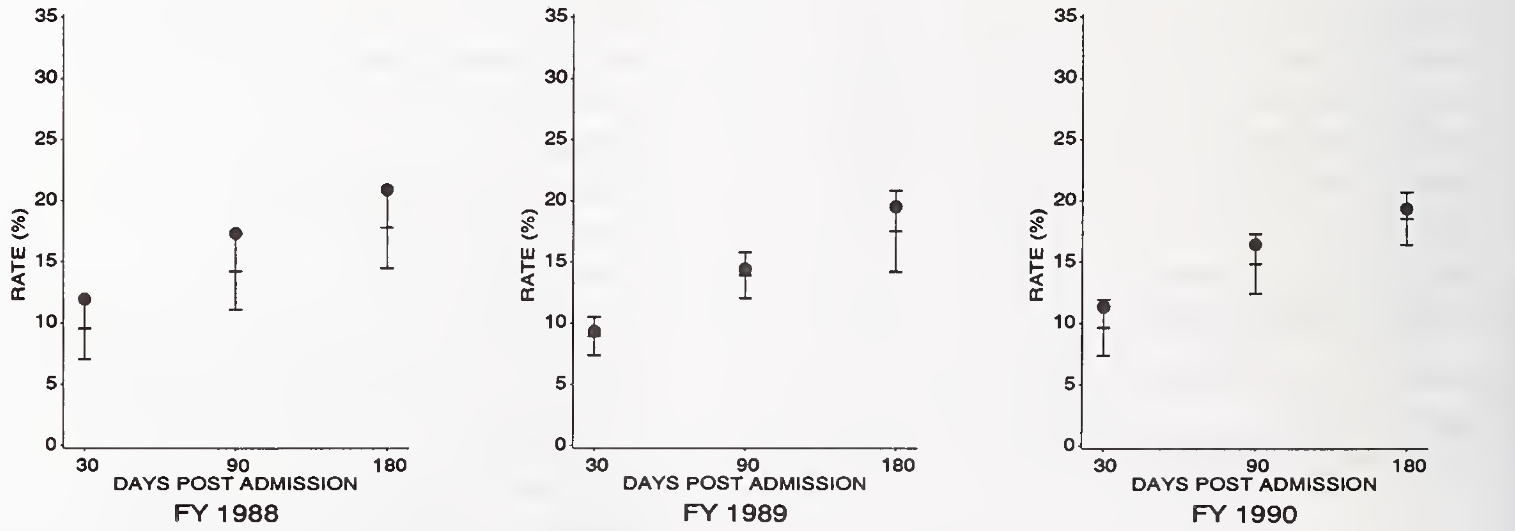
1907 WEST SYCAMORE STREET
KOKOMO, IN 46901
Medicare Provider Number: 150010

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	1521	11.3	9.6	1.1	16.4	14.8	1.2	19.3	18.5	1.1
CONDITIONS:										
Acute Myocardial Infarction	36	41.7	28.8	-----	44.4	32.4	-----	47.2	35.4	-----
Congestive Heart Failure	101	14.9	13.0	4.9	20.8	20.8	4.7	25.7	26.8	4.5
Pneumonia/Influenza	82	22.0	15.9	4.9	26.8	21.9	5.7	26.8	25.6	5.0
Chronic Obstructive Pulmonary Disease	19	0.0	9.0	-----	15.8	15.1	-----	26.3	20.0	-----
Transient Cerebral Ischemia	14	0.0	2.0	-----	7.1	4.9	-----	7.1	8.0	-----
Stroke	60	20.0	17.4	6.8	30.0	24.5	7.6	35.0	28.8	7.8
Hip Fracture	49	12.2	5.3	-----	16.3	9.6	-----	20.4	12.6	-----
Sepsis	64	17.2	24.6	7.5	26.6	33.6	9.2	26.6	38.4	9.0
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	0.0	3.6	-----	6.3	7.4	-----	6.3	11.1	-----
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	29	6.9	3.9	-----	10.3	7.5	-----	13.8	10.0	-----
Open Reduction of Hip Fracture	20	10.0	4.4	-----	10.0	8.3	-----	15.0	11.4	-----
Prostatectomy	54	0.0	0.9	1.5	1.9	2.0	2.0	1.9	3.4	2.9
Cholecystectomy	35	5.7	2.0	-----	5.7	3.6	-----	5.7	4.8	-----
Hysterectomy	9	0.0	0.7	-----	0.0	1.8	-----	0.0	3.0	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases Is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

ST JOSEPH HOSPITAL & HEALTH CENTER

Medicare Provider Number: 150010

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	75.0 years
Proportion female	58.7 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	51.3 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	12.2 %
Admitted for emergency	57.8 %

COMORBIDITIES:	
Cancer	8.4 %
Chronic cardiovascular disease	29.4 %
Chronic liver disease	0.7 %
Chronic renal disease	3.7 %
Chronic pulmonary disease	12.6 %
Cerebrovascular degeneration	3.5 %
Diabetes mellitus	11.2 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	76.4%
State	22.0%
Outside State	1.6%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	8.5 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	161
Occupancy Rate	72.0 %
Ownership/Control	Church
Medicare Discharges	34.0 %
Case Mix Index (CMI)	1.2025
STAFFING:	
Total Number of Physicians	81
Percent of Physicians Board Certified Specialists	72.8 %
Medical Residents/Interns	0
Registered Nurses	200
Licensed Practical Nurses	9

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	Yes
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	Yes
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

** Except for CMI

* Not used in calculating mortality rates

ST JOSEPH HOSPITAL OF MISHAWAKA

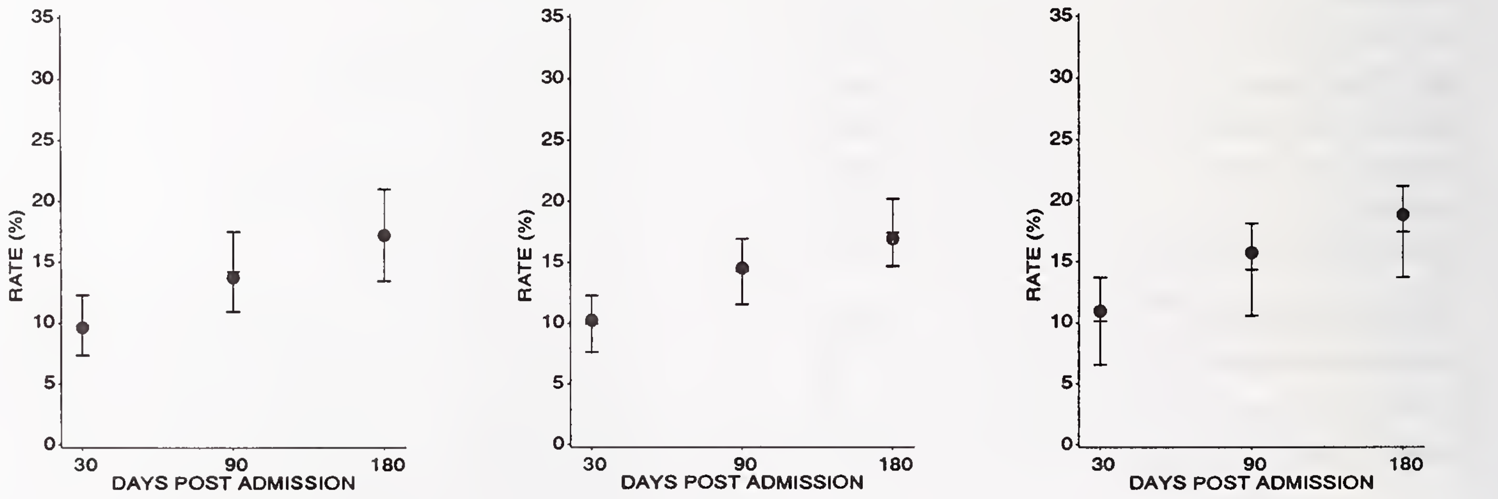
215 W 4TH ST
MISHAWAKA, IN 46544
Medicare Provider Number: 150029

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	1062	10.9	10.1	1.8	15.7	14.3	1.9	18.8	17.4	1.9
CONDITIONS:										
Acute Myocardial Infarction	48	33.3	25.9	-----	35.4	28.5	-----	39.6	31.0	-----
Congestive Heart Failure	61	11.5	15.1	5.2	19.7	23.7	7.4	23.0	30.2	9.3
Pneumonia/Influenza	60	11.7	14.4	5.1	18.3	19.5	5.4	18.3	23.0	6.7
Chronic Obstructive Pulmonary Disease	12	0.0	12.1	-----	0.0	21.0	-----	8.3	26.6	-----
Transient Cerebral Ischemia	6	0.0	2.6	-----	0.0	5.7	-----	0.0	8.9	-----
Stroke	37	27.0	17.6	-----	32.4	23.1	-----	37.8	26.5	-----
Hip Fracture	39	7.7	5.9	-----	12.8	10.3	-----	15.4	13.3	-----
Sepsis	16	25.0	26.3	-----	25.0	31.0	-----	31.3	34.9	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	0.0	3.4	-----	0.0	6.3	-----	0.0	9.1	-----
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	35	2.9	2.7	-----	8.6	5.0	-----	11.4	6.8	-----
Open Reduction of Hip Fracture	13	15.4	7.3	-----	15.4	12.7	-----	15.4	15.9	-----
Prostatectomy	23	0.0	0.5	-----	0.0	1.0	-----	0.0	1.8	-----
Cholecystectomy	26	7.7	2.4	-----	7.7	4.7	-----	7.7	6.5	-----
Hysterectomy	9	0.0	1.3	-----	0.0	3.0	-----	0.0	4.6	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

ST JOSEPH HOSPITAL OF MISHAWAKA
Medicare Provider Number: 150029

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	76.0 years
Proportion female	60.3 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	44.1 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	18.0 %
Admitted for emergency	54.1 %

COMORBIDITIES:

Cancer	5.1 %
Chronic cardiovascular disease	34.8 %
Chronic liver disease	0.8 %
Chronic renal disease	1.3 %
Chronic pulmonary disease	12.4 %
Cerebrovascular degeneration	3.2 %
Diabetes mellitus	6.4 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	88.7%
State	8.3%
Outside State	3.0%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	6.4 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: Health Care Financing Administration (OSCAR)** - Survey Year 1990

PROFILE:

Total Beds	117
Ownership/Control	Church
Case Mix Index (CMI)	1.1929

STAFFING:

Medical Residents/Interns	4
Registered Nurses	121
Licensed Practical Nurses	19

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	Yes
Hospice Care	No
Intensive Care Unit	Yes
Organ Transplant	Yes
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	Yes
Psychiatric	Yes
Medicare Swing Beds	No

** Except for CMI

*** Not used in calculating mortality rates**

ST JOSEPH MEDICAL CENTER

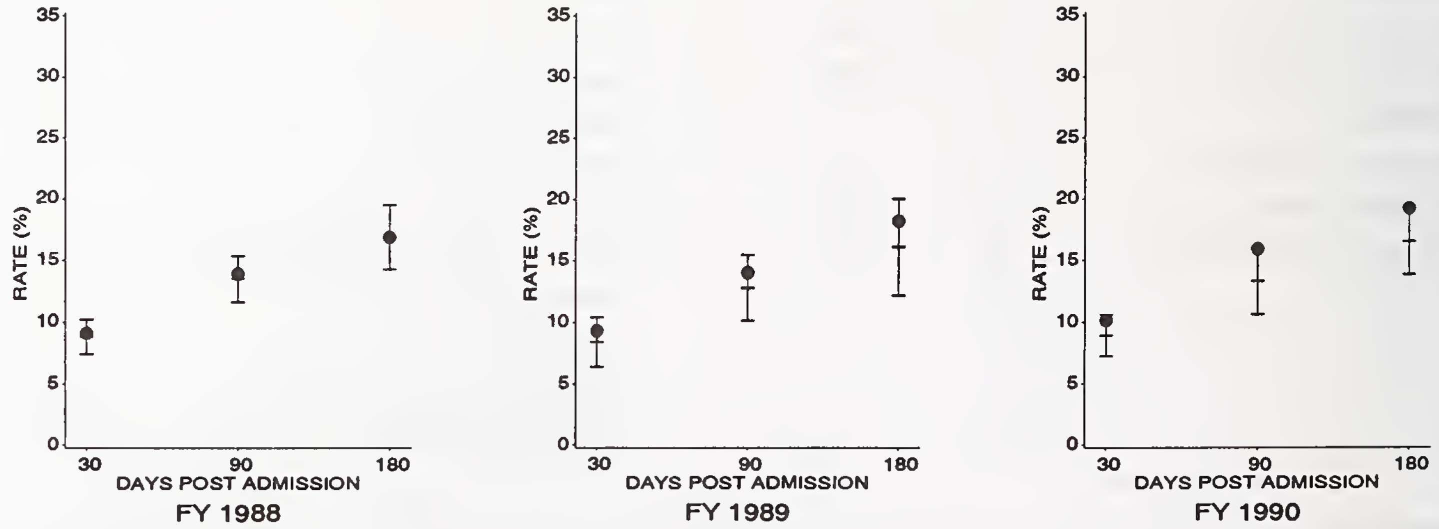
700 BROADWAY
FORT WAYNE, IN 46802
Medicare Provider Number: 150047

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD*	90 DAYS OBS	90 DAYS PRED	90 DAYS SD*	180 DAYS OBS	180 DAYS PRED	180 DAYS SD*
ALL CAUSES	1984	10.1	8.9	0.8	15.9	13.3	1.4	19.2	16.5	1.3
CONDITIONS:										
Acute Myocardial Infarction	45	26.7	27.7	-----	33.3	31.3	-----	37.8	34.3	-----
Congestive Heart Failure	130	11.5	12.3	5.8	19.2	19.6	4.7	23.8	25.5	4.3
Pneumonia/Influenza	78	24.4	17.5	8.5	28.2	24.0	7.0	33.3	27.9	7.2
Chronic Obstructive Pulmonary Disease	17	5.9	8.1	-----	23.5	13.9	-----	29.4	18.3	-----
Transient Cerebral Ischemia	18	0.0	1.8	-----	0.0	4.1	-----	0.0	6.8	-----
Stroke	96	22.9	20.1	5.1	30.2	26.0	5.9	34.4	29.4	7.4
Hip Fracture	50	14.0	7.1	-----	24.0	12.3	-----	24.0	15.8	-----
Sepsis	29	20.7	25.6	-----	27.6	34.2	-----	34.5	38.7	-----
PROCEDURES:										
Angioplasty	74	1.4	2.4	1.9	2.7	3.2	2.1	4.1	4.0	2.4
Coronary Artery Bypass Graft	80	11.2	4.5	4.4	15.0	6.6	4.9	17.5	7.6	5.6
Initial Pacemaker Insertion	30	0.0	2.8	-----	10.0	5.8	-----	10.0	8.7	-----
Carotid Endarterectomy	20	0.0	1.4	-----	5.0	2.8	-----	15.0	4.3	-----
Hip Replacement/Reconstruction	30	10.0	3.2	-----	10.0	6.2	-----	10.0	8.4	-----
Open Reduction of Hip Fracture	19	15.8	9.2	-----	31.6	16.0	-----	31.6	20.3	-----
Prostatectomy	38	0.0	0.6	-----	2.6	1.4	-----	7.9	2.4	-----
Cholecystectomy	24	4.2	3.4	-----	4.2	7.0	-----	8.3	9.8	-----
Hysterectomy	16	0.0	0.4	-----	0.0	0.9	-----	0.0	1.5	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

ST JOSEPH MEDICAL CENTER

Medicare Provider Number: 150047

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	73.0 years
Proportion female	56.7 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	51.7 %
Transferred from skilled nursing facility	0.3 %
Admitted for elective procedure	30.7 %
Admitted for emergency	44.0 %

COMORBIDITIES:	
Cancer	6.3 %
Chronic cardiovascular disease	37.8 %
Chronic liver disease	0.9 %
Chronic renal disease	3.9 %
Chronic pulmonary disease	12.9 %
Cerebrovascular degeneration	2.2 %
Diabetes mellitus	8.9 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	68.0%
State	15.9%
Outside State	16.1%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	8.3 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	229
Occupancy Rate	54.0 %
Ownership/Control	Church
Medicare Discharges	26.7 %
Case Mix Index (CMI)	1.5152
STAFFING:	
Total Number of Physicians	274
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	0
Registered Nurses	364
Licensed Practical Nurses	61

SPECIALTY SERVICES:	
Burn Unit	Yes
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Trauma Center	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	No
Rehabilitation	Yes
Psychiatric	No
Medicare Swing Beds	Yes

** Except for CMI

*** Not used in calculating mortality rates**

ST JOSEPHS HOSPITAL OF HUNTINGBURG

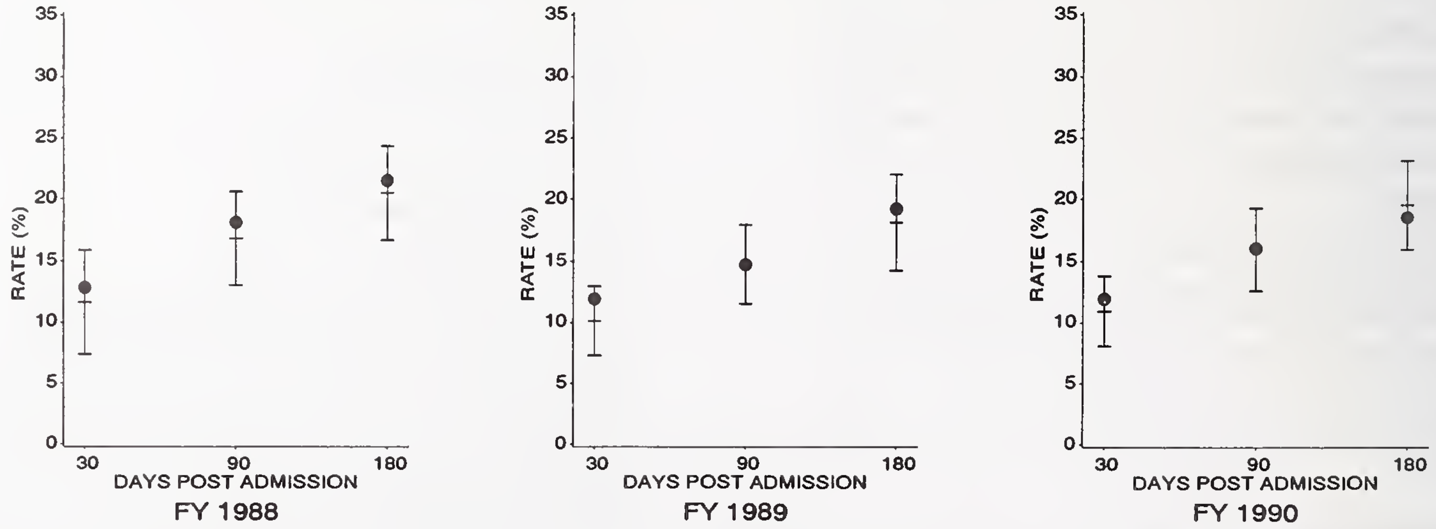
1900 MEDICAL ARTS DRIVE
HUNTINGBURG, IN 47542
Medicare Provider Number: 150019

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	531	11.9	10.9	1.4	16.0	15.9	1.7	18.5	19.5	1.8
CONDITIONS:										
Acute Myocardial Infarction	26	34.6	25.1	-----	34.6	27.7	-----	34.6	30.1	-----
Congestive Heart Failure	30	6.7	10.9	-----	10.0	17.4	-----	13.3	23.1	-----
Pneumonia/Influenza	68	13.2	15.6	5.1	16.2	21.1	7.8	20.6	24.9	8.3
Chronic Obstructive Pulmonary Disease	3	0.0	8.8	-----	0.0	13.1	-----	0.0	16.3	-----
Transient Cerebral Ischemia	5	0.0	1.6	-----	0.0	3.7	-----	0.0	6.1	-----
Stroke	29	27.6	19.1	-----	27.6	25.1	-----	31.0	28.9	-----
Hip Fracture	25	4.0	6.1	-----	12.0	10.4	-----	12.0	13.7	-----
Sepsis	10	10.0	22.8	-----	10.0	29.4	-----	10.0	34.4	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	1.6	-----	0.0	3.6	-----	0.0	6.1	-----
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	0.0	3.5	-----	9.1	6.4	-----	9.1	8.9	-----
Open Reduction of Hip Fracture	16	0.0	5.6	-----	6.3	10.0	-----	6.3	13.5	-----
Prostatectomy	13	0.0	1.9	-----	0.0	4.4	-----	0.0	7.4	-----
Cholecystectomy	15	0.0	2.4	-----	0.0	4.5	-----	0.0	5.9	-----
Hysterectomy	3	0.0	0.1	-----	0.0	0.2	-----	0.0	0.3	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases Is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

ST JOSEPHS HOSPITAL OF HUNTINGBURG

Medicare Provider Number: 150019

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	77.4 years
Proportion female	57.6 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	58.2 %
Transferred from skilled nursing facility	0.6 %
Admitted for elective procedure	18.1 %
Admitted for emergency	41.4 %

COMORBIDITIES:

Cancer	4.9 %
Chronic cardiovascular disease	36.7 %
Chronic liver disease	0.0 %
Chronic renal disease	2.1 %
Chronic pulmonary disease	13.6 %
Cerebrovascular degeneration	6.8 %
Diabetes mellitus	10.9 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	60.8%
State	36.5%
Outside State	2.7%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	5.2 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: Health Care Financing Administration (OSCAR)** - Survey Year 1991

PROFILE:

Total Beds	87
Ownership.Control	Private, Non-Profit
Case Mix Index (CMI)	1.2462

STAFFING:

Medical Residents/Interns	0
Registered Nurses	63
Licensed Practical Nurses	9

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	Yes
Hospice Care	No
Intensive Care Unit	Yes
Organ Transplant	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	Yes
Rehabilitation	Yes
Psychiatric	No
Medicare Swing Beds	Yes

** Except for CMI

* Not used in calculating mortality rates

ST JOSEPHS MEDICAL CENTER

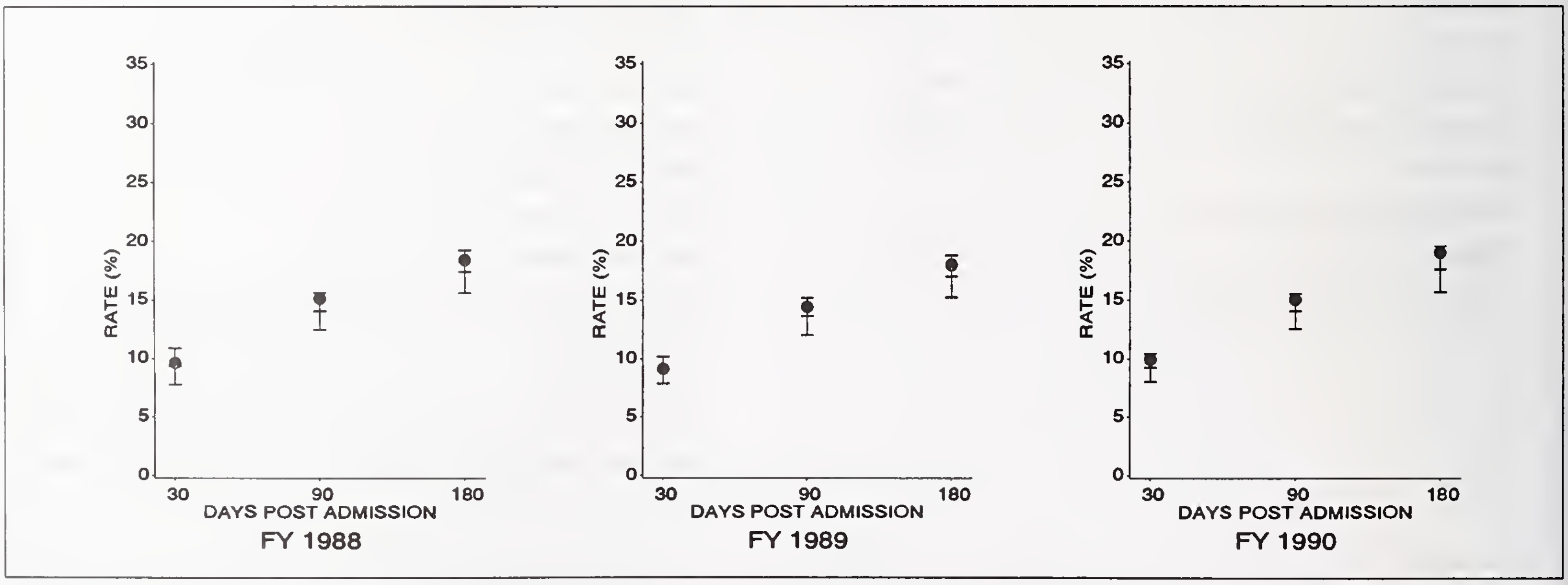
801 E. LASALLE, BOX 1935
SOUTH BEND, IN 46634
Medicare Provider Number: 150012

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	3723	9.9	9.2	0.6	15.0	14.0	0.8	19.0	17.6	1.0
CONDITIONS:										
Acute Myocardial Infarction	93	23.7	27.4	7.8	24.7	30.5	8.1	29.0	33.2	8.9
Congestive Heart Failure	173	16.8	14.5	3.3	23.1	23.1	3.4	32.9	29.4	4.2
Pneumonia/Influenza	156	14.7	15.6	4.4	23.7	21.5	5.1	26.9	25.5	4.9
Chronic Obstructive Pulmonary Disease	54	11.1	7.7	5.6	11.1	13.2	6.1	18.5	17.2	7.3
Transient Cerebral Ischemia	30	0.0	1.4	-----	3.3	3.2	-----	10.0	5.1	-----
Stroke	149	24.8	20.9	5.0	30.9	27.3	4.9	33.6	31.1	4.6
Hip Fracture	101	6.9	5.8	2.7	12.9	10.3	4.1	17.8	13.5	5.1
Sepsis	33	24.2	27.2	-----	33.3	36.0	-----	39.4	41.7	-----
PROCEDURES:										
Angioplasty	32	6.3	3.4	-----	6.3	4.2	-----	12.5	5.0	-----
Coronary Artery Bypass Graft	134	3.0	4.8	2.1	3.0	6.8	2.7	3.0	7.8	3.0
Initial Pacemaker Insertion	30	0.0	2.9	-----	3.3	5.6	-----	3.3	8.0	-----
Carotid Endarterectomy	28	0.0	1.1	-----	0.0	2.2	-----	3.6	3.4	-----
Hip Replacement/Reconstruction	112	5.4	2.5	3.0	9.8	4.8	3.9	10.7	6.7	3.9
Open Reduction of Hip Fracture	41	7.3	5.8	-----	12.2	10.5	-----	24.4	14.1	-----
Prostatectomy	68	0.0	0.8	1.3	0.0	2.0	2.4	0.0	3.4	3.7
Cholecystectomy	80	5.0	2.8	3.2	7.5	4.9	3.6	8.7	6.3	3.6
Hysterectomy	22	0.0	0.1	-----	0.0	0.3	-----	0.0	0.6	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



ST JOSEPHS MEDICAL CENTER

Medicare Provider Number: 150012

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	74.0 years
Proportion female	56.2 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	52.6 %
Transferred from skilled nursing facility	0.3 %
Admitted for elective procedure	36.7 %
Admitted for emergency	45.8 %

COMORBIDITIES:	
Cancer	9.5 %
Chronic cardiovascular disease	29.9 %
Chronic liver disease	0.7 %
Chronic renal disease	6.3 %
Chronic pulmonary disease	10.2 %
Cerebrovascular degeneration	3.3 %
Diabetes mellitus	8.6 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	75.8%
State	13.4%
Outside State	10.8%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	7.7 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	339
Occupancy Rate	60.0 %
Ownership/Control	Church
Medicare Discharges	52.7 %
Case Mix Index (CMI)	1.5300
STAFFING:	
Total Number of Physicians	216
Percent of Physicians Board Certified Specialists	84.7 %
Medical Residents/Interns	19
Registered Nurses	434
Licensed Practical Nurses	45

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Trauma Center	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	No
Rehabilitation	Yes
Psychiatric	No
Medicare Swing Beds	No

** Except for CMI

* Not used in calculating mortality rates

ST MARGARET HOSPITAL & HEALTH CENTER

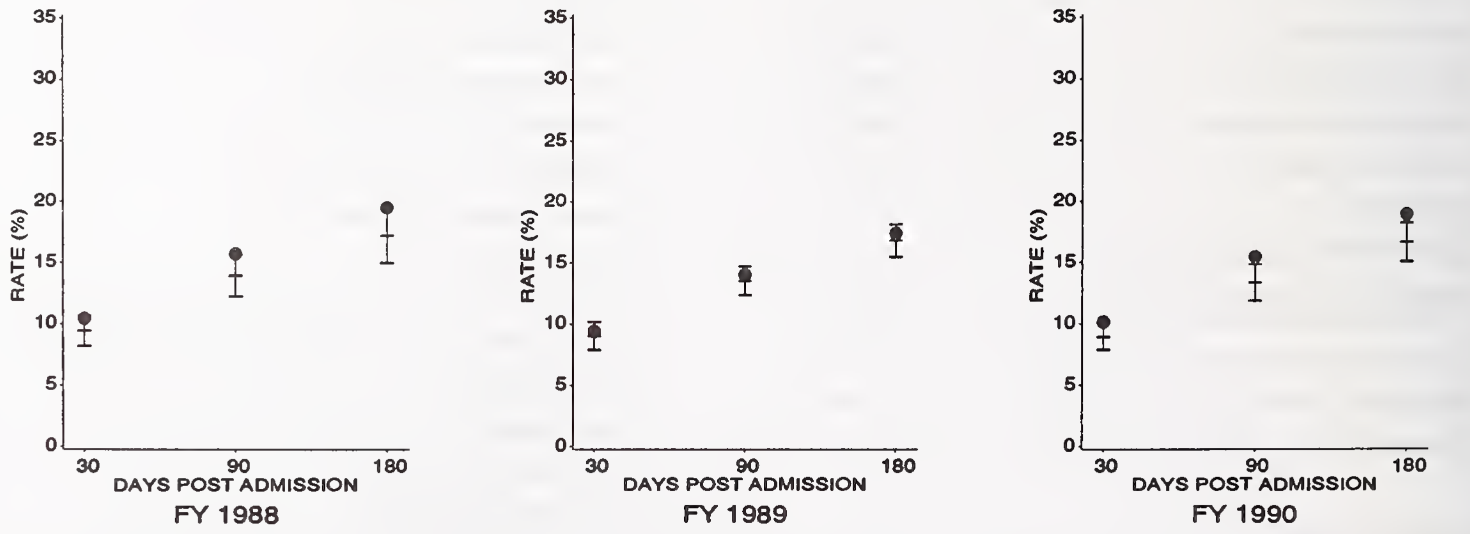
5454 HOHMAN AVENUE
HAMMOND, IN 46320
Medicare Provider Number: 150004

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD*	90 DAYS OBS	90 DAYS PRED	90 DAYS SD*	180 DAYS OBS	180 DAYS PRED	180 DAYS SD*
ALL CAUSES	3875	10.1	8.9	0.5	15.4	13.3	0.7	18.9	16.6	0.8
CONDITIONS:										
Acute Myocardial Infarction	120	30.8	31.2	4.6	35.0	33.8	5.0	36.7	36.4	4.8
Congestive Heart Failure	210	12.9	13.6	3.4	25.2	21.7	4.5	30.5	27.7	5.3
Pneumonia/Influenza	106	18.9	14.7	5.0	24.5	20.3	6.1	27.4	23.9	5.9
Chronic Obstructive Pulmonary Disease	63	6.3	9.8	4.7	15.9	16.5	6.0	20.6	21.2	7.0
Transient Cerebral Ischemia	84	1.2	1.6	1.4	4.8	3.6	2.4	6.0	5.9	2.6
Stroke	153	23.5	22.6	4.7	31.4	27.6	6.0	35.3	30.9	6.4
Hip Fracture	93	9.7	6.6	4.0	16.1	11.6	6.1	19.4	15.1	7.0
Sepsis	46	28.3	25.8	-----	37.0	32.2	-----	39.1	36.5	-----
PROCEDURES:										
Angioplasty	80	5.0	5.8	2.7	6.3	7.0	2.9	7.5	8.1	3.4
Coronary Artery Bypass Graft	72	12.5	7.3	4.6	18.1	10.0	4.6	23.6	11.1	6.2
Initial Pacemaker Insertion	40	2.5	1.8	-----	15.0	3.9	-----	20.0	5.8	-----
Carotid Endarterectomy	29	0.0	1.4	-----	3.4	2.7	-----	6.9	4.0	-----
Hip Replacement/Reconstruction	58	6.9	3.6	5.5	10.3	6.6	5.9	12.1	8.8	6.0
Open Reduction of Hip Fracture	33	9.1	6.7	-----	15.2	12.1	-----	21.2	15.8	-----
Prostatectomy	129	3.1	1.0	2.1	3.9	2.3	1.9	4.7	4.0	2.3
Cholecystectomy	67	6.0	3.1	4.1	13.4	5.6	4.4	13.4	7.2	4.4
Hysterectomy	35	2.9	0.7	-----	2.9	1.5	-----	5.7	2.4	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



ST MARGARET HOSPITAL & HEALTH CENTER

Medicare Provider Number: 150004

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	73.0 years	Cancer	7.7 %
Proportion female	55.1 %	Chronic cardiovascular disease	33.5 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	1.0 %
Referred by personal or HMO physician	41.3 %	Chronic renal disease	4.4 %
Transferred from skilled nursing facility	0.0 %	Chronic pulmonary disease	12.5 %
Admitted for elective procedure	16.6 %	Cerebrovascular degeneration	2.1 %
Admitted for emergency	79.0 %	Diabetes mellitus	10.9 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City	52.7%	Hospital	9.8 Days
State	2.4%	State	8.0 Days
Outside State	44.9%	National	8.6 Days
Total	100.0%		

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:		SPECIALTY SERVICES:	
Total Beds	405	Burn Unit	No
Occupancy Rate	76.0 %	Cardiac Intensive Care	Yes
Ownership/Control	Church	Comprehensive Geriatric	Yes
Medicare Discharges	38.9 %	Hospice Care	No
Case Mix Index (CMI)	1.2701	Medical/Surgical Intensive Care	Yes
STAFFING:		Organ/Tissue Transplant	No
Total Number of Physicians	272	Other Intensive Care	No
Percent of Physicians Board Certified Specialists	71.7 %	Trauma Center	No
		OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Medical Residents/Interns	0	Alcohol/Drug	No
Registered Nurses	494	Rehabilitation	Yes
Licensed Practical Nurses	9	Psychiatric	No
		Medicare Swing Beds	No

** Except for CMI

* Not used in calculating mortality rates

ST MARY MEDICAL CENTER

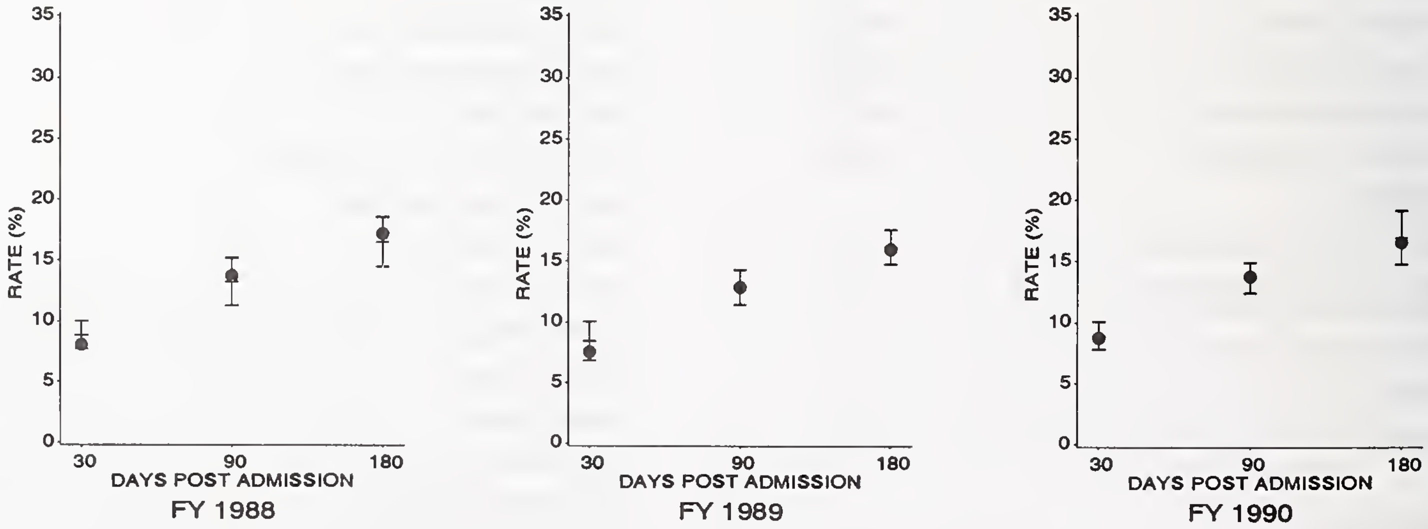
540 TYLER ST
GARY, IN 46402
Medicare Provider Number: 150034

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	3014	8.7	8.9	0.6	13.7	13.6	0.6	16.5	16.9	1.1
CONDITIONS:										
Acute Myocardial Infarction	55	29.1	24.3	6.4	30.9	26.8	7.0	34.5	29.2	7.3
Congestive Heart Failure	172	11.0	13.9	3.3	18.0	22.2	4.7	26.2	28.3	4.9
Pneumonia/Influenza	107	12.1	14.4	3.7	16.8	20.0	4.4	21.5	23.7	4.4
Chronic Obstructive Pulmonary Disease	84	8.3	11.2	4.1	13.1	18.8	6.1	13.1	24.1	7.9
Transient Cerebral Ischemia	95	3.2	1.8	2.1	6.3	4.0	3.8	8.4	6.4	4.9
Stroke	103	21.4	20.6	4.0	29.1	26.8	5.9	33.0	30.3	7.0
Hip Fracture	29	6.9	8.2	-----	10.3	13.8	-----	17.2	17.2	-----
Sepsis	33	18.2	25.4	-----	30.3	33.5	-----	33.3	38.1	-----
PROCEDURES:										
Angioplasty	30	0.0	2.4	-----	0.0	3.8	-----	0.0	5.1	-----
Coronary Artery Bypass Graft	48	4.2	5.6	-----	4.2	7.9	-----	12.5	9.0	-----
Initial Pacemaker Insertion	18	5.6	3.0	-----	22.2	6.5	-----	27.8	9.9	-----
Carotid Endarterectomy	29	0.0	1.5	-----	3.4	2.8	-----	6.9	4.1	-----
Hip Replacement/Reconstruction	33	9.1	4.5	-----	9.1	8.3	-----	12.1	10.8	-----
Open Reduction of Hip Fracture	6	0.0	5.7	-----	0.0	9.3	-----	16.7	11.6	-----
Prostatectomy	99	0.0	1.7	3.5	4.0	3.9	2.3	6.1	6.5	2.6
Cholecystectomy	37	5.4	3.9	-----	16.2	7.1	-----	18.9	9.3	-----
Hysterectomy	9	0.0	0.3	-----	0.0	0.7	-----	0.0	1.0	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases Is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



ST MARY MEDICAL CENTER

Medicare Provider Number: 150034

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	71.2 years
Proportion female	51.4 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	36.3 %
Transferred from skilled nursing facility	0.6 %
Admitted for elective procedure	14.0 %
Admitted for emergency	61.0 %

COMORBIDITIES:

Cancer	7.0 %
Chronic cardiovascular disease	33.3 %
Chronic liver disease	0.7 %
Chronic renal disease	2.8 %
Chronic pulmonary disease	14.3 %
Cerebrovascular degeneration	3.0 %
Diabetes mellitus	12.0 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	83.0%
State	14.8%
Outside State	2.2%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	10.9 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	458
Occupancy Rate	100.0 %
Ownership/Control	Church
Medicare Discharges	38.5 %
Case Mix Index (CMI)	1.3086

STAFFING:

Total Number of Physicians	531
Percent of Physicians Board Certified Specialists	50.3 %
Medical Residents/Interns	0
Registered Nurses	503
Licensed Practical Nurses	53

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	Yes
Rehabilitation	No
Psychiatric	Yes
Medicare Swing Beds	No

** Except for CMI

* Not used in calculating mortality rates

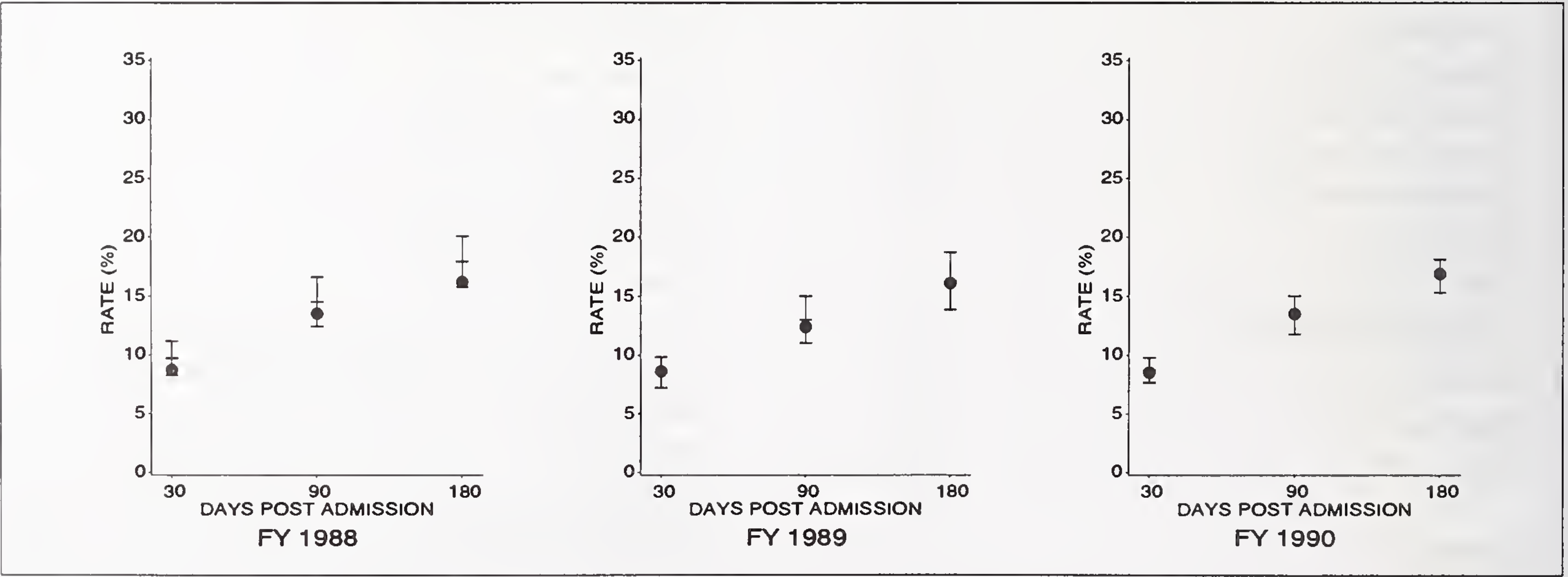
ST MARYS MEDICAL CENTER
3700 WASHINGTON AVENUE
EVANSVILLE, IN 47750
Medicare Provider Number: 150100

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	2856	8.5	8.7	0.5	13.5	13.4	0.8	16.9	16.7	0.7
CONDITIONS:										
Acute Myocardial Infarction	93	23.7	24.9	5.3	28.0	27.6	5.6	30.1	30.0	4.8
Congestive Heart Failure	118	11.0	14.1	3.8	22.9	22.0	7.2	28.8	27.8	4.9
Pneumonia/Influenza	125	8.8	14.3	4.6	13.6	19.6	5.7	19.2	23.0	5.9
Chronic Obstructive Pulmonary Disease	40	2.5	7.4	-----	5.0	13.0	-----	7.5	17.1	-----
Transient Cerebral Ischemia	20	0.0	1.9	-----	0.0	4.4	-----	0.0	6.8	-----
Stroke	95	14.7	18.9	5.1	26.3	25.4	5.3	31.6	29.2	6.2
Hip Fracture	75	6.7	6.3	3.5	8.0	11.1	5.2	10.7	14.4	5.6
Sepsis	36	13.9	20.8	-----	13.9	27.6	-----	13.9	32.4	-----
PROCEDURES:										
Angioplasty	51	0.0	2.5	-----	0.0	3.2	-----	0.0	4.0	-----
Coronary Artery Bypass Graft	76	5.3	4.5	2.6	5.3	6.5	3.0	6.6	7.4	3.1
Initial Pacemaker Insertion	16	12.5	3.5	-----	12.5	6.6	-----	12.5	9.2	-----
Carotid Endarterectomy	32	3.1	1.3	-----	3.1	2.4	-----	3.1	3.5	-----
Hip Replacement/Reconstruction	69	2.9	2.9	2.0	4.3	5.4	3.0	8.7	7.4	3.5
Open Reduction of Hip Fracture	28	7.1	6.1	-----	7.1	11.1	-----	7.1	14.7	-----
Prostatectomy	106	0.9	0.7	0.8	1.9	1.7	1.4	2.8	2.9	2.1
Cholecystectomy	76	1.3	1.8	1.6	1.3	3.1	2.6	3.9	4.0	2.9
Hysterectomy	30	0.0	0.2	-----	0.0	0.5	-----	3.3	0.8	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



ST MARYS MEDICAL CENTER
Medicare Provider Number: 150100

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	72.7 years	Cancer	8.1 %
Proportion female	54.0 %	Chronic cardiovascular disease	38.6 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.8 %
Referred by personal or HMO physician	56.1 %	Chronic renal disease	4.7 %
Transferred from skilled nursing facility	0.3 %	Chronic pulmonary disease	18.4 %
Admitted for elective procedure	30.6 %	Cerebrovascular degeneration	3.3 %
Admitted for emergency	43.2 %	Diabetes mellitus	6.9 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City	51.4%	Hospital	8.0 Days
State	29.9%	State	8.0 Days
Outside State	18.7%	National	8.6 Days
Total	100.0%		

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:		SPECIALTY SERVICES:	
Total Beds	530	Burn Unit	No
Occupancy Rate	50.0 %	Cardiac Intensive Care	No
Ownership/Control	Church	Comprehensive Geriatric	No
Medicare Discharges	30.4 %	Hospice Care	No
Case Mix Index (CMI)	1.5118	Medical/Surgical Intensive Care	Yes
STAFFING:		Organ/Tissue Transplant	No
Total Number of Physicians	234	Other Intensive Care	No
Percent of Physicians Board Certified Specialists	70.5 %	Trauma Center	No
		OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Medical Residents/Interns	15	Alcohol/Drug	Yes
Registered Nurses	420	Rehabilitation	No
Licensed Practical Nurses	20	Psychiatric	Yes
		Medicare Swing Beds	Yes

** Except for CMI

* Not used in calculating mortality rates

ST VINCENT HOSPITAL & HEALTH CENTER

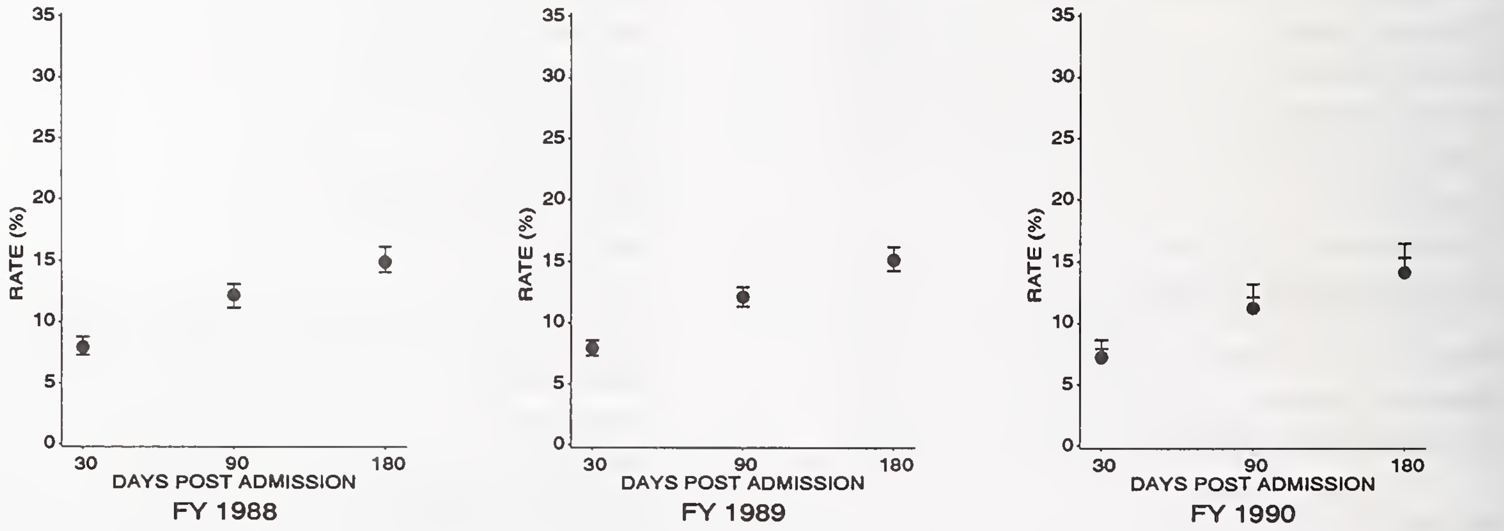
2001 WEST 86TH STREET
INDIANAPOLIS, IN 46207
Medicare Provider Number: 150084

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	7821	7.2	7.9	0.4	11.2	12.1	0.5	14.1	15.3	0.6
CONDITIONS:										
Acute Myocardial Infarction	281	15.7	21.8	4.2	19.2	24.8	4.3	22.4	27.3	4.5
Congestive Heart Failure	334	11.7	14.8	2.9	21.3	23.4	3.5	28.1	29.7	3.0
Pneumonia/Influenza	202	16.8	17.4	2.9	24.8	23.7	3.2	27.2	27.7	3.5
Chronic Obstructive Pulmonary Disease	79	7.6	8.2	3.2	12.7	14.3	4.2	16.5	18.8	5.3
Transient Cerebral Ischemia	84	3.6	1.8	2.1	4.8	3.9	2.4	7.1	6.2	3.2
Stroke	180	16.1	21.1	5.2	26.1	27.2	4.1	28.3	31.0	4.7
Hip Fracture	162	9.9	7.4	4.3	14.8	13.3	4.9	18.5	17.4	4.1
Sepsis	54	24.1	28.6	10.5	35.2	39.6	8.8	42.6	45.9	8.8
PROCEDURES:										
Angioplasty	421	2.1	2.5	1.2	3.1	3.3	1.5	3.1	4.2	1.8
Coronary Artery Bypass Graft	309	6.1	6.1	1.5	8.7	8.7	1.6	10.0	9.8	1.8
Initial Pacemaker Insertion	55	3.6	2.5	2.5	5.5	5.0	3.0	7.3	7.4	3.5
Carotid Endarterectomy	155	1.9	1.2	1.1	1.9	2.3	1.3	1.9	3.4	2.1
Hip Replacement/Reconstruction	163	3.1	2.6	1.8	6.1	5.0	2.5	7.4	6.7	2.9
Open Reduction of Hip Fracture	83	13.3	7.2	5.8	16.9	13.2	6.2	21.7	17.4	5.6
Prostatectomy	180	1.7	1.1	0.9	2.8	2.6	1.3	4.4	4.3	1.7
Cholecystectomy	109	2.8	2.6	1.6	3.7	4.7	2.3	4.6	6.4	2.8
Hysterectomy	86	0.0	1.1	1.2	1.2	2.5	1.9	2.3	4.0	2.9

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988 FY 1989 FY 1990

ST VINCENT HOSPITAL & HEALTH CENTER

Medicare Provider Number: 150084

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	73.4 years	Cancer	7.5 %
Proportion female	54.6 %	Chronic cardiovascular disease	35.4 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.4 %
Referred by personal or HMO physician	59.1 %	Chronic renal disease	2.6 %
Transferred from skilled nursing facility	5.3 %	Chronic pulmonary disease	11.0 %
Admitted for elective procedure	23.6 %	Cerebrovascular degeneration	2.6 %
Admitted for emergency	43.4 %	Diabetes mellitus	7.1 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City	43.6%	Hospital	8.5 Days
State	52.4%	State	8.0 Days
Outside State	4.0%	National	8.6 Days
Total	100.0%		

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:		SPECIALTY SERVICES:	
Total Beds	800	Burn Unit	No
Occupancy Rate	79.0 %	Cardiac Intensive Care	Yes
Ownership/Control	Church	Comprehensive Geriatric	Yes
Medicare Discharges	35.2 %	Hospice Care	Yes
Case Mix Index (CMI)	1.6167	Medical/Surgical Intensive Care	Yes
STAFFING:		Organ/Tissue Transplant	Yes
Total Number of Physicians	642	Other Intensive Care	Yes
Percent of Physicians Board Certified Specialists	69.2 %	Trauma Center	Yes
Medical Residents/Interns	76	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Registered Nurses	1090	Alcohol/Drug	Yes
Licensed Practical Nurses	150	Rehabilitation	No
		Psychiatric	Yes
		Medicare Swing Beds	No

** Except for CMI

*** Not used in calculating mortality rates**

STARKE MEMORIAL HOSPITAL

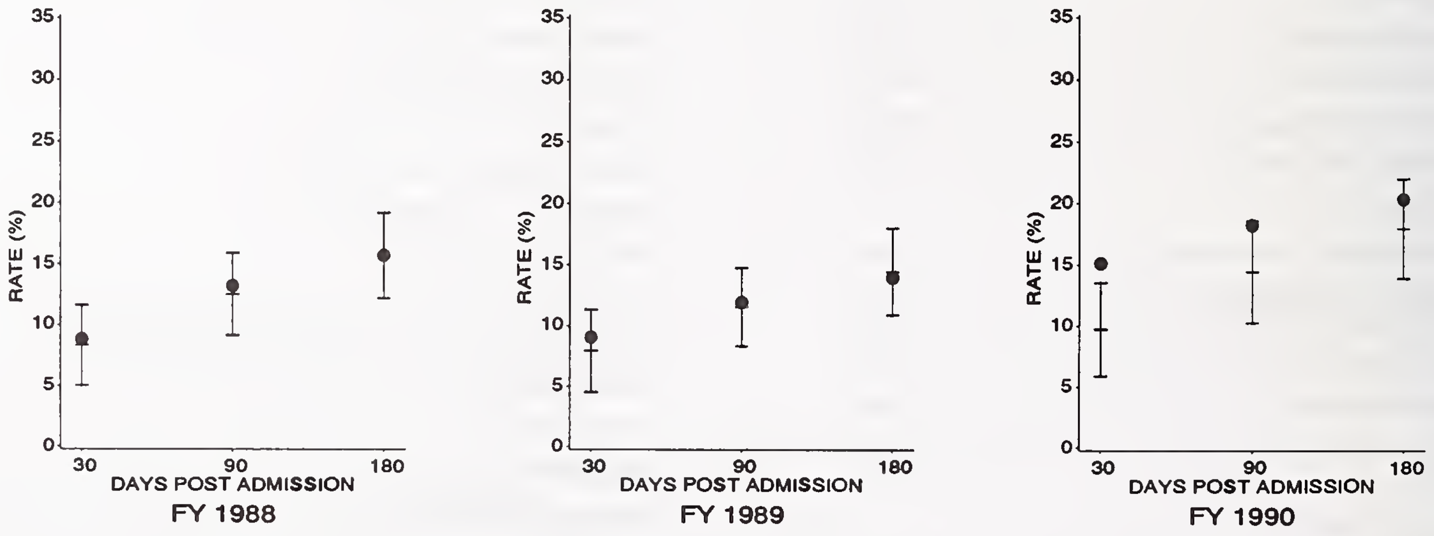
102 EAST CULVER ROAD
KNOX, IN 46534
Medicare Provider Number: 150102

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	385	15.1	9.7	1.9	18.2	14.4	2.1	20.3	17.9	2.0
CONDITIONS:										
Acute Myocardial Infarction	15	40.0	20.3	-----	46.7	24.9	-----	46.7	28.8	-----
Congestive Heart Failure	15	26.7	13.1	-----	26.7	20.9	-----	33.3	26.7	-----
Pneumonia/Influenza	42	16.7	12.8	-----	19.0	17.6	-----	23.8	21.0	-----
Chronic Obstructive Pulmonary Disease	7	0.0	7.2	-----	0.0	13.5	-----	0.0	18.4	-----
Transient Cerebral Ischemia	7	0.0	1.3	-----	0.0	3.0	-----	0.0	4.9	-----
Stroke	24	45.8	20.5	-----	54.2	27.3	-----	58.3	31.6	-----
Hip Fracture	12	8.3	6.1	-----	16.7	11.4	-----	16.7	15.6	-----
Sepsis	7	14.3	29.6	-----	14.3	37.4	-----	14.3	41.7	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	4.9	-----	0.0	10.1	-----	0.0	14.0	-----
Open Reduction of Hip Fracture	5	20.0	6.0	-----	20.0	11.1	-----	20.0	15.4	-----
Prostatectomy	12	0.0	0.7	-----	0.0	1.6	-----	0.0	2.8	-----
Cholecystectomy	6	0.0	2.6	-----	16.7	5.0	-----	16.7	7.0	-----
Hysterectomy	1	0.0	0.1	-----	0.0	0.3	-----	0.0	0.5	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

STARKE MEMORIAL HOSPITAL

Medicare Provider Number: 150102

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	74.6 years
Proportion female	54.8 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	98.2 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	0.0 %
Admitted for emergency	42.1 %

COMORBIDITIES:

Cancer	6.5 %
Chronic cardiovascular disease	34.5 %
Chronic liver disease	0.8 %
Chronic renal disease	3.4 %
Chronic pulmonary disease	19.7 %
Cerebrovascular degeneration	3.1 %
Diabetes mellitus	9.1 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	83.4%
State	12.8%
Outside State	3.8%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	4.7 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	42
Occupancy Rate	42.0 %
Ownership/Control	Local Government
Medicare Discharges	35.4 %
Case Mix Index (CMI)	1.0709

STAFFING:

Total Number of Physicians	21
Percent of Physicians Board Certified Specialists	81.0 %
Medical Residents/Interns	0
Registered Nurses	46
Licensed Practical Nurses	5

** Except for CMI

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	Yes

*** Not used in calculating mortality rates**

TERRE HAUTE REGIONAL HOSPITAL

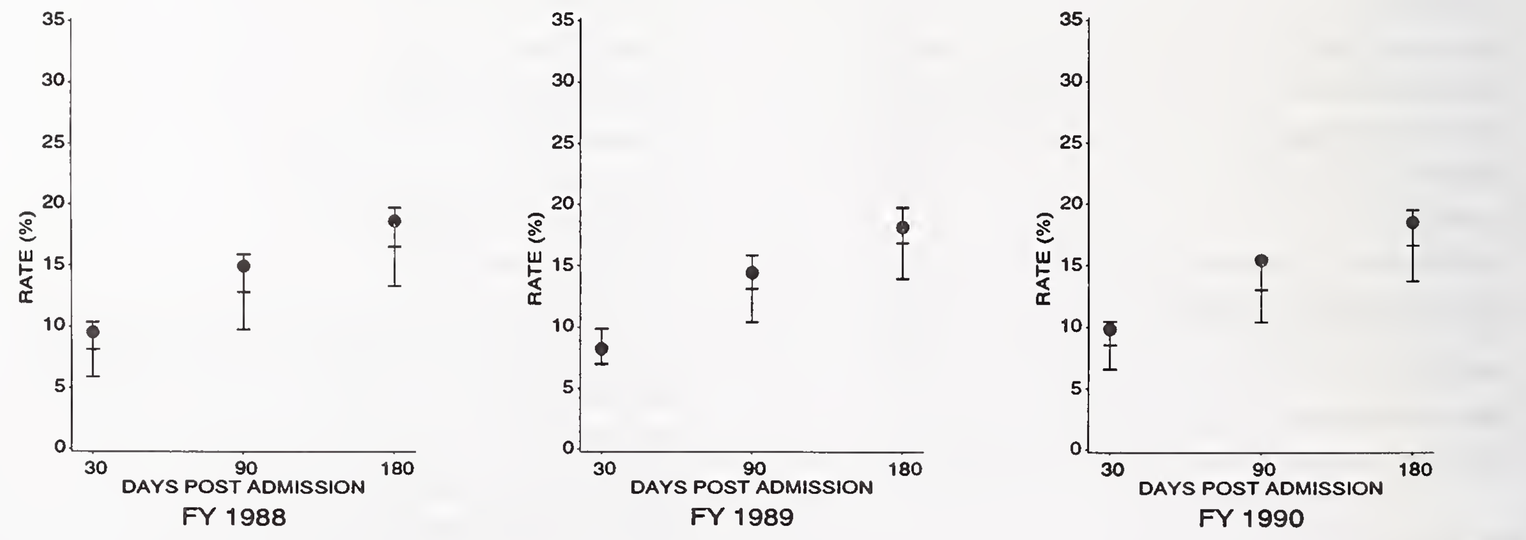
601 HOSPITAL LANE
TERRE HAUTE, IN 47802
Medicare Provider Number: 150046

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	30 DAYS OBS	30 DAYS PRED	30 DAYS SD*	90 DAYS OBS	90 DAYS PRED	90 DAYS SD*	180 DAYS OBS	180 DAYS PRED	180 DAYS SD*
ALL CAUSES	1528	9.8	8.5	1.0	15.4	13.0	1.3	18.5	16.6	1.5
CONDITIONS:										
Acute Myocardial Infarction	63	27.0	26.0	5.6	33.3	28.4	6.3	36.5	31.1	6.6
Congestive Heart Failure	80	22.5	14.6	5.9	30.0	23.2	5.9	32.5	29.4	5.6
Pneumonia/Influenza	43	20.9	13.0	-----	25.6	18.0	-----	32.6	21.7	-----
Chronic Obstructive Pulmonary Disease	30	10.0	8.6	-----	20.0	15.0	-----	30.0	19.8	-----
Transient Cerebral Ischemia	27	0.0	2.2	-----	0.0	4.8	-----	0.0	7.5	-----
Stroke	33	24.2	21.4	-----	27.3	27.5	-----	30.3	31.6	-----
Hip Fracture	30	10.0	7.9	-----	20.0	14.1	-----	23.3	18.5	-----
Sepsis	14	14.3	27.6	-----	21.4	36.2	-----	21.4	42.2	-----
PROCEDURES:										
Angioplasty	46	6.5	3.1	-----	6.5	4.2	-----	6.5	5.3	-----
Coronary Artery Bypass Graft	25	4.0	7.6	-----	8.0	10.7	-----	12.0	11.9	-----
Initial Pacemaker Insertion	16	0.0	2.6	-----	0.0	5.4	-----	0.0	8.2	-----
Carotid Endarterectomy	4	0.0	2.6	-----	0.0	4.7	-----	0.0	6.8	-----
Hip Replacement/Reconstruction	13	15.4	4.3	-----	15.4	8.6	-----	15.4	12.2	-----
Open Reduction of Hip Fracture	16	6.3	6.3	-----	12.5	11.7	-----	18.8	16.1	-----
Prostatectomy	24	0.0	0.9	-----	0.0	2.0	-----	4.2	3.3	-----
Cholecystectomy	34	5.9	1.7	-----	8.8	3.0	-----	8.8	4.1	-----
Hysterectomy	10	0.0	0.9	-----	0.0	1.8	-----	0.0	3.0	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases Is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

TERRE HAUTE REGIONAL HOSPITAL

Medicare Provider Number: 150046

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	71.6 years
Proportion female	56.3 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	52.9 %
Transferred from skilled nursing facility	1.4 %
Admitted for elective procedure	17.0 %
Admitted for emergency	11.9 %

COMORBIDITIES:	
Cancer	8.8 %
Chronic cardiovascular disease	45.3 %
Chronic liver disease	0.5 %
Chronic renal disease	1.2 %
Chronic pulmonary disease	22.7 %
Cerebrovascular degeneration	6.2 %
Diabetes mellitus	6.2 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	59.6%
State	32.8%
Outside State	7.6%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	9.3 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	281
Occupancy Rate	50.0 %
Ownership/Control	Private, For Profit
Medicare Discharges	38.3 %
Case Mix Index (CMI)	1.2973
STAFFING:	
Total Number of Physicians	75
Percent of Physicians Board Certified Specialists	81.3 %
Medical Residents/Interns	0
Registered Nurses	220
Licensed Practical Nurses	50

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Trauma Center	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	Yes
Rehabilitation	Yes
Psychiatric	Yes
Medicare Swing Beds	No

** Except for CMI

*** Not used in calculating mortality rates**

THE KINGS DAUGHTERS HOSPITAL

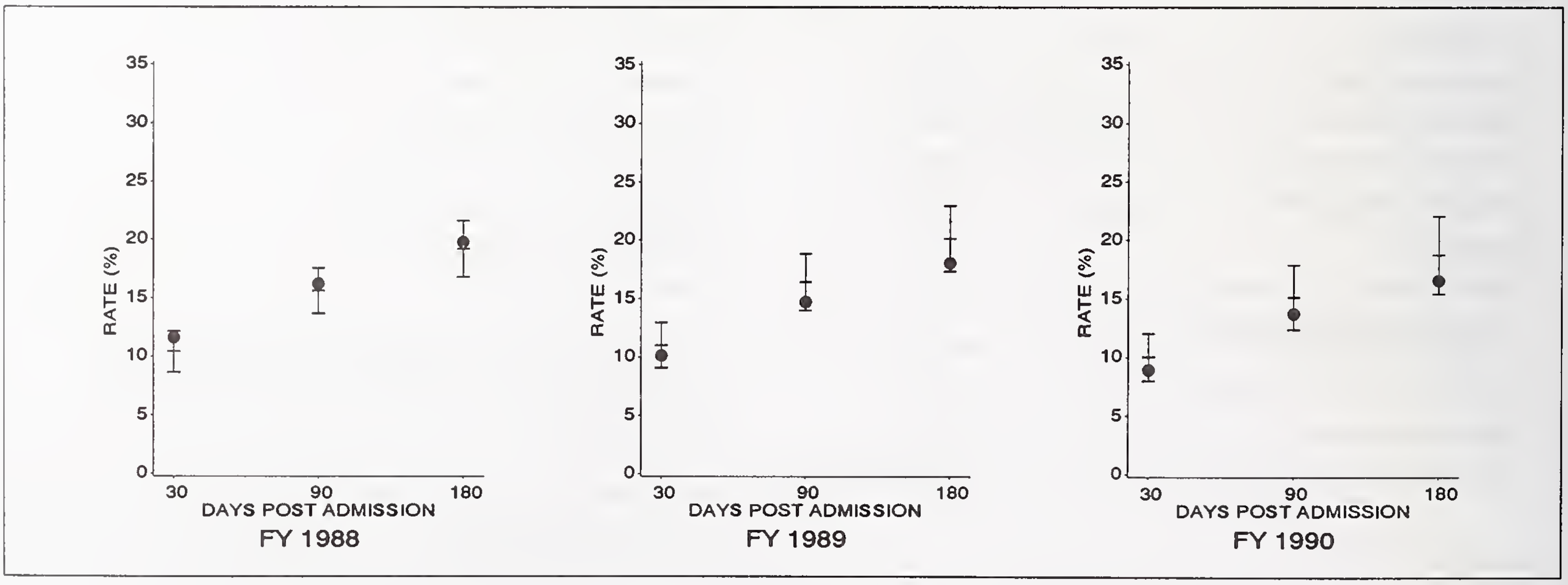
112 PRESBYTERIAN AVE
MADISON, IN 47250
Medicare Provider Number: 150069

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	1567	8.9	10.0	1.0	13.7	15.1	1.4	16.5	18.7	1.7
CONDITIONS:										
Acute Myocardial Infarction	57	38.6	24.6	8.5	45.6	28.5	8.4	47.4	31.4	8.5
Congestive Heart Failure	112	17.0	14.4	4.8	28.6	23.1	5.4	32.1	29.2	4.8
Pneumonia/Influenza	95	12.6	14.4	4.1	16.8	20.2	5.8	20.0	24.3	5.8
Chronic Obstructive Pulmonary Disease	29	0.0	5.0	-----	3.4	9.4	-----	6.9	13.2	-----
Transient Cerebral Ischemia	21	0.0	1.3	-----	0.0	3.1	-----	0.0	5.2	-----
Stroke	72	19.4	19.2	4.8	26.4	26.1	5.2	27.8	29.8	5.8
Hip Fracture	51	3.9	8.0	4.4	3.9	14.0	6.4	5.9	18.1	7.7
Sepsis	16	18.8	22.4	-----	18.8	29.5	-----	25.0	33.7	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	0.0	2.7	-----	4.3	5.5	-----	8.7	8.5	-----
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	16	0.0	4.6	-----	6.3	8.9	-----	6.3	12.3	-----
Open Reduction of Hip Fracture	40	5.0	7.5	-----	5.0	13.4	-----	7.5	17.7	-----
Prostatectomy	31	0.0	1.2	-----	0.0	2.5	-----	0.0	4.1	-----
Cholecystectomy	40	0.0	2.5	-----	0.0	4.8	-----	2.5	6.6	-----
Hysterectomy	11	0.0	0.4	-----	0.0	0.9	-----	0.0	1.6	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



THE KINGS DAUGHTERS HOSPITAL

Medicare Provider Number: 150069

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	74.5 years
Proportion female	56.5 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	42.2 %
Transferred from skilled nursing facility	1.1 %
Admitted for elective procedure	18.4 %
Admitted for emergency	79.5 %

COMORBIDITIES:	
Cancer	5.0 %
Chronic cardiovascular disease	53.1 %
Chronic liver disease	0.8 %
Chronic renal disease	2.1 %
Chronic pulmonary disease	27.6 %
Cerebrovascular degeneration	5.5 %
Diabetes mellitus	12.6 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	54.6%
State	31.0%
Outside State	14.4%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	9.3 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	142
Occupancy Rate	67.0 %
Ownership.Control	Private, Non-Profit
Medicare Discharges	38.5 %
Case Mix Index (CMI)	1.2375
STAFFING:	
Total Number of Physicians	31
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	0
Registered Nurses	110
Licensed Practical Nurses	34

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

** Except for CMI

* Not used in calculating mortality rates

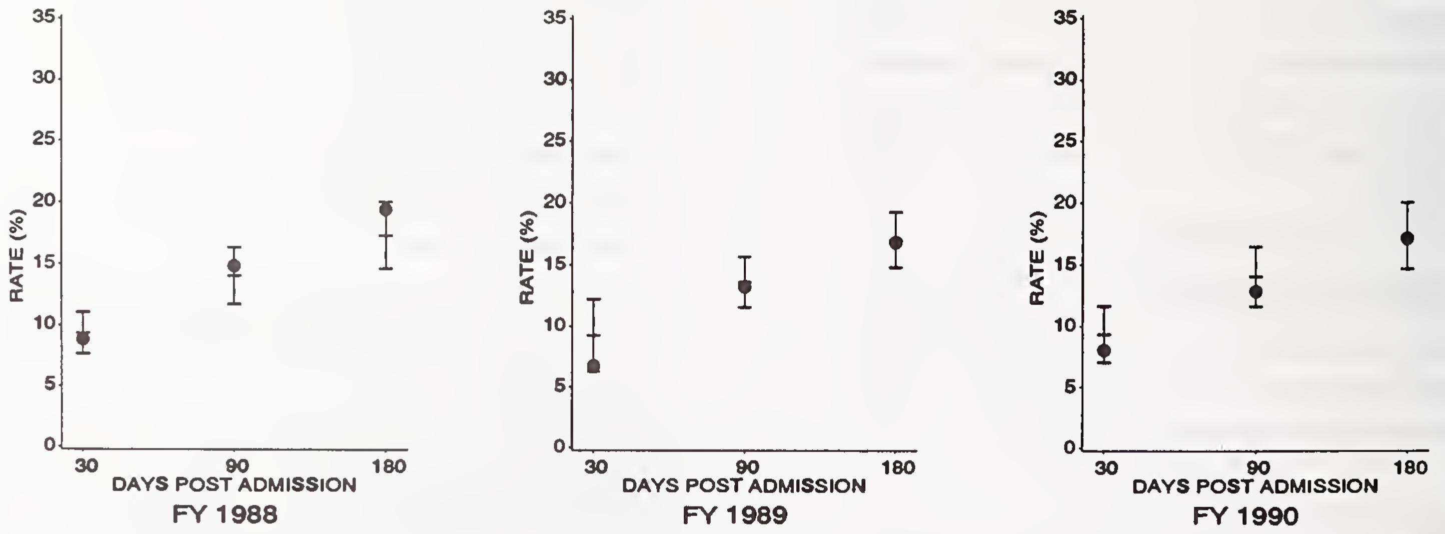
THE METHODIST HOSPITAL OF GARY INC
600 GRANT ST
GARY, IN 46402
Medicare Provider Number: 150002

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	1254	8.0	9.3	1.2	12.8	14.0	1.2	17.1	17.3	1.4
CONDITIONS:										
Acute Myocardial Infarction	28	21.4	26.3	-----	21.4	29.0	-----	28.6	31.6	-----
Congestive Heart Failure	90	13.3	14.4	3.8	24.4	22.9	4.6	27.8	28.8	4.9
Pneumonia/Influenza	38	21.1	15.8	-----	31.6	21.2	-----	31.6	24.5	-----
Chronic Obstructive Pulmonary Disease	26	3.8	11.6	-----	11.5	18.8	-----	19.2	23.6	-----
Transient Cerebral Ischemia	26	0.0	1.8	-----	3.8	3.9	-----	7.7	6.3	-----
Stroke	45	15.6	21.3	-----	22.2	26.2	-----	24.4	29.4	-----
Hip Fracture	13	7.7	8.5	-----	15.4	13.8	-----	30.8	17.2	-----
Sepsis	12	33.3	24.8	-----	41.7	34.0	-----	41.7	38.5	-----
PROCEDURES:										
Angioplasty	15	13.3	6.9	-----	13.3	8.3	-----	26.7	9.5	-----
Coronary Artery Bypass Graft	7	28.6	6.8	-----	28.6	8.8	-----	28.6	9.4	-----
Initial Pacemaker Insertion	7	0.0	2.0	-----	0.0	4.2	-----	0.0	6.7	-----
Carotid Endarterectomy	1	0.0	0.9	-----	0.0	1.6	-----	0.0	2.4	-----
Hip Replacement/Reconstruction	16	0.0	3.9	-----	12.5	6.4	-----	12.5	8.1	-----
Open Reduction of Hip Fracture	4	25.0	5.0	-----	25.0	8.3	-----	50.0	10.5	-----
Prostatectomy	45	0.0	1.2	-----	0.0	2.8	-----	0.0	4.7	-----
Cholecystectomy	8	0.0	4.4	-----	0.0	7.5	-----	0.0	9.0	-----
Hysterectomy	1	0.0	0.0	-----	0.0	0.1	-----	0.0	0.2	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988 FY 1989 FY 1990

THE METHODIST HOSPITAL OF GARY INC

Medicare Provider Number: 150002

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	67.8 years
Proportion female	51.5 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	32.8 %
Transferred from skilled nursing facility	0.7 %
Admitted for elective procedure	11.6 %
Admitted for emergency	62.3 %

COMORBIDITIES:

Cancer	6.7 %
Chronic cardiovascular disease	32.1 %
Chronic liver disease	1.4 %
Chronic renal disease	10.0 %
Chronic pulmonary disease	11.2 %
Cerebrovascular degeneration	3.4 %
Diabetes mellitus	12.8 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	94.1%
State	2.0%
Outside State	3.9%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	11.4 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	644
Occupancy Rate	69.0 %
Ownership.Control	Private, Non-Profit
Medicare Discharges	31.0 %
Case Mix Index (CMI)	1.3101

STAFFING:

Total Number of Physicians	303
Percent of Physicians Board Certified Specialists	57.4 %
Medical Residents/Interns	0
Registered Nurses	417
Licensed Practical Nurses	67

** Except for CMI

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	Yes
Rehabilitation	Yes
Psychiatric	Yes
Medicare Swing Beds	No

*** Not used in calculating mortality rates**

TIPTON COUNTY MEMORIAL HOSPITAL

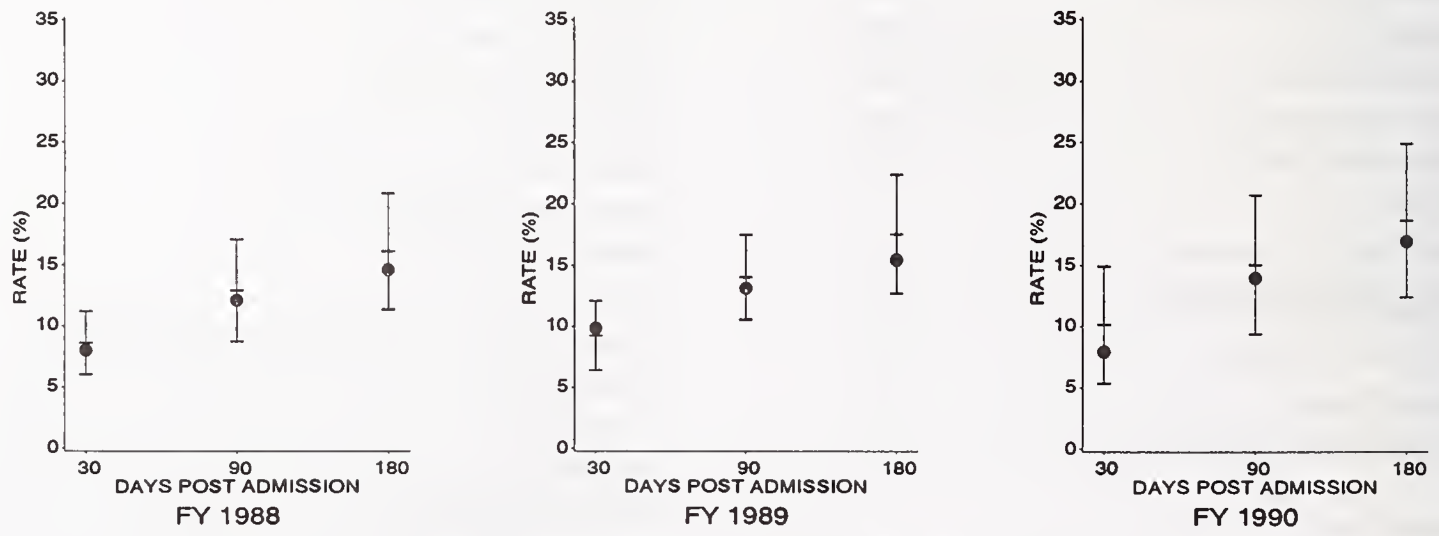
1000 SOUTH MAIN STREET
TIPTON, IN 46072
Medicare Provider Number: 150053

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	531	7.9	10.1	2.4	13.9	15.0	2.8	16.9	18.6	3.1
CONDITIONS:										
Acute Myocardial Infarction	10	30.0	25.6	-----	30.0	28.5	-----	30.0	31.0	-----
Congestive Heart Failure	36	8.3	15.5	-----	19.4	24.8	-----	25.0	31.7	-----
Pneumonia/Influenza	38	10.5	19.8	-----	21.1	27.3	-----	21.1	31.7	-----
Chronic Obstructive Pulmonary Disease	8	0.0	7.5	-----	0.0	14.2	-----	12.5	19.1	-----
Transient Cerebral Ischemia	5	0.0	1.4	-----	0.0	3.3	-----	0.0	5.6	-----
Stroke	20	15.0	17.4	-----	20.0	22.1	-----	20.0	25.4	-----
Hip Fracture	14	14.3	5.5	-----	14.3	10.2	-----	21.4	13.6	-----
Sepsis	10	40.0	39.3	-----	40.0	45.8	-----	40.0	50.0	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	1.9	-----	0.0	4.3	-----	25.0	6.7	-----
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	3.8	-----	0.0	7.5	-----	0.0	10.6	-----
Open Reduction of Hip Fracture	6	33.3	6.9	-----	33.3	13.0	-----	50.0	17.3	-----
Prostatectomy	5	0.0	0.7	-----	0.0	1.8	-----	0.0	3.3	-----
Cholecystectomy	9	0.0	1.3	-----	11.1	2.9	-----	11.1	4.5	-----
Hysterectomy	3	0.0	0.1	-----	0.0	0.2	-----	0.0	0.3	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



TIPTON COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 150053

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	76.3 years
Proportion female	58.4 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	47.1 %
Transferred from skilled nursing facility	0.2 %
Admitted for elective procedure	5.6 %
Admitted for emergency	52.0 %

COMORBIDITIES:

Cancer	5.8 %
Chronic cardiovascular disease	27.5 %
Chronic liver disease	0.6 %
Chronic renal disease	2.8 %
Chronic pulmonary disease	15.3 %
Cerebrovascular degeneration	4.3 %
Diabetes mellitus	5.1 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	68.9%
State	30.0%
Outside State	1.1%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	6.8 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	136
Occupancy Rate	19.0 %
Ownership/Control	Local Government
Medicare Discharges	52.1 %
Case Mix Index (CMI)	1.0722

STAFFING:

Total Number of Physicians	23
Percent of Physicians Board Certified Specialists	82.6 %
Medical Residents/Interns	0
Registered Nurses	66
Licensed Practical Nurses	2

** Except for CMI

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

*** Not used in calculating mortality rates**

UNION CITY MEMORIAL HOSPITAL

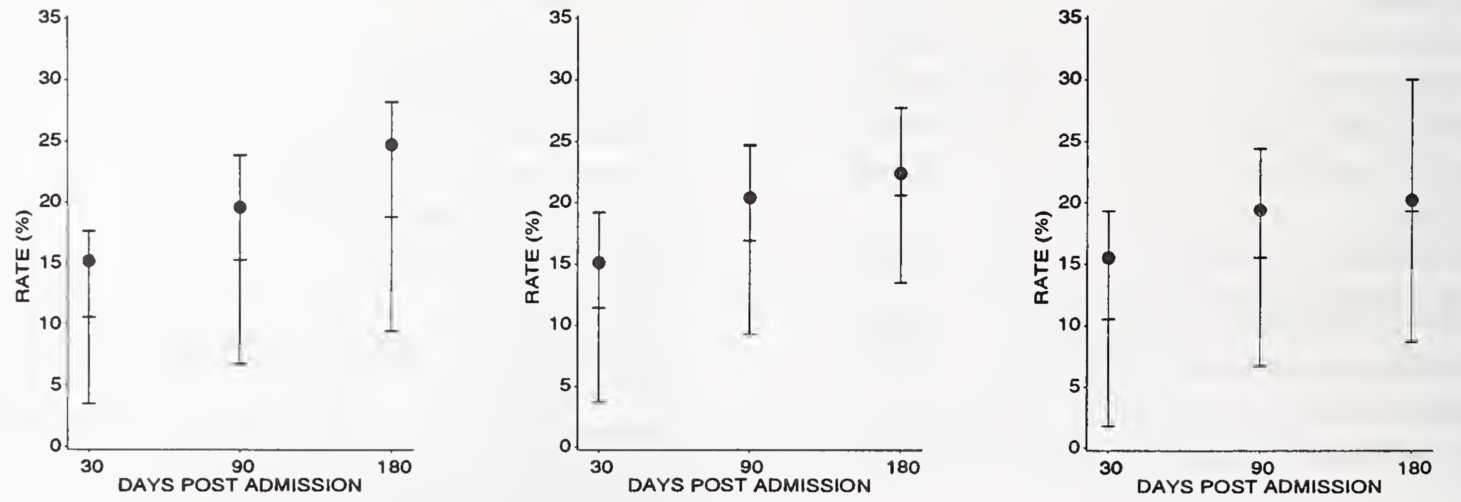
900 NORTH COLUMBIA ST
UNION CITY, IN 47390
Medicare Provider Number: 150085

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD*	90 DAYS OBS	90 DAYS PRED	90 DAYS SD*	180 DAYS OBS	180 DAYS PRED	180 DAYS SD*
ALL CAUSES	129	15.5	10.5	4.4	19.4	15.5	4.4	20.2	19.3	5.4
CONDITIONS:										
Acute Myocardial Infarction	6	50.0	29.2	-----	50.0	32.1	-----	50.0	34.6	-----
Congestive Heart Failure	18	22.2	13.8	-----	33.3	20.6	-----	33.3	26.6	-----
Pneumonia/Influenza	17	23.5	15.2	-----	29.4	20.9	-----	29.4	24.6	-----
Chronic Obstructive Pulmonary Disease	4	0.0	5.1	-----	0.0	10.2	-----	0.0	14.5	-----
Transient Cerebral Ischemia	1	0.0	2.1	-----	0.0	4.7	-----	0.0	8.2	-----
Stroke	5	0.0	11.8	-----	0.0	15.4	-----	0.0	18.3	-----
Hip Fracture	0									
Sepsis	1	0.0	13.9	-----	0.0	17.1	-----	0.0	21.3	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988 FY 1989 FY 1990

UNION CITY MEMORIAL HOSPITAL

Medicare Provider Number: 150085

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	77.5 years
Proportion female	65.1 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	38.8 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	0.0 %
Admitted for emergency	60.5 %

COMORBIDITIES:

Cancer	4.7 %
Chronic cardiovascular disease	38.8 %
Chronic liver disease	0.8 %
Chronic renal disease	2.3 %
Chronic pulmonary disease	10.1 %
Cerebrovascular degeneration	5.4 %
Diabetes mellitus	8.5 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	73.9%
State	3.0%
Outside State	23.1%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	5.2 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	26
Occupancy Rate	15.4 %
Ownership.Control	Private, Non-Profit
Medicare Discharges	(Not Available)
Case Mix Index (CMI)	0.9353

STAFFING:

Total Number of Physicians	(Not Available)
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	(Not Available)
Registered Nurses	(Not Available)
Licensed Practical Nurses	(Not Available)

** Except for CMI

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

*** Not used in calculating mortality rates**

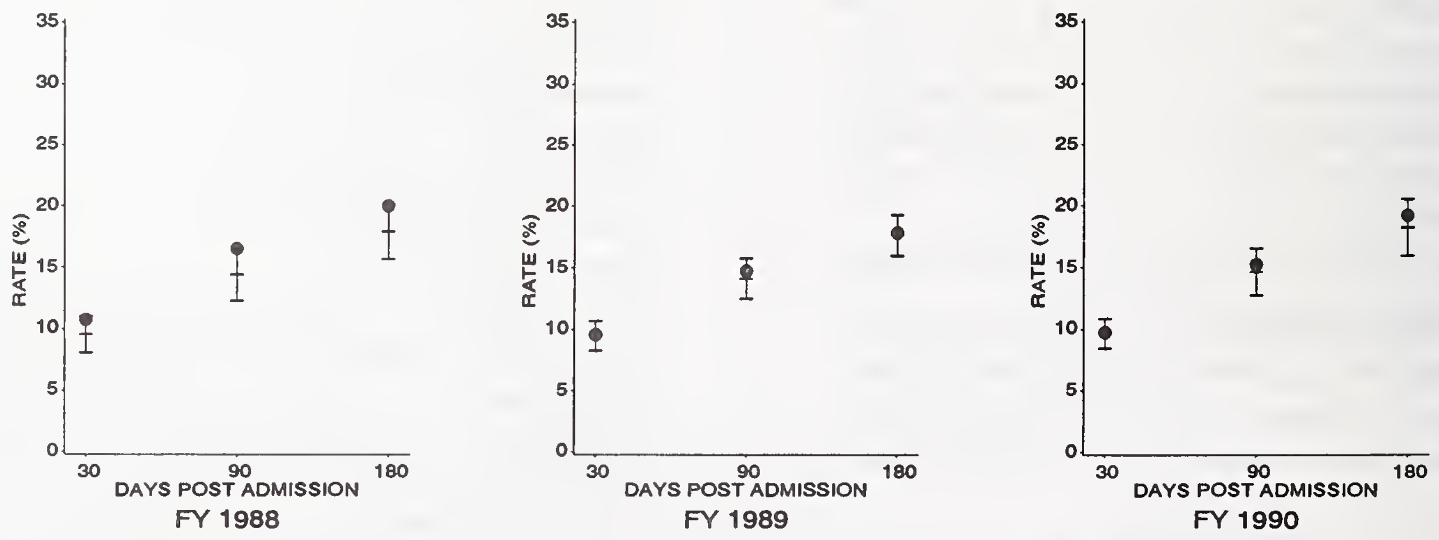
UNION HOSPITAL INC
1606 N 7TH ST
TERRE HAUTE, IN 47804
Medicare Provider Number: 150023

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	3258	9.7	9.6	0.6	15.2	14.6	1.0	19.2	18.2	1.2
CONDITIONS:										
Acute Myocardial Infarction	111	26.1	24.5	4.3	28.8	27.3	4.5	30.6	29.9	4.7
Congestive Heart Failure	205	15.6	14.5	2.9	28.3	22.7	3.8	35.6	28.7	4.0
Pneumonia/Influenza	196	8.2	13.9	3.4	17.3	19.1	3.2	18.9	22.5	3.3
Chronic Obstructive Pulmonary Disease	38	5.3	6.6	-----	13.2	12.1	-----	15.8	16.6	-----
Transient Cerebral Ischemia	42	0.0	2.0	-----	2.4	4.4	-----	2.4	7.0	-----
Stroke	140	22.9	21.6	3.7	27.9	27.8	4.4	31.4	31.3	4.4
Hip Fracture	112	8.9	7.1	3.2	12.5	12.5	3.3	15.2	16.2	4.2
Sepsis	50	26.0	24.9	-----	36.0	33.4	-----	40.0	38.2	-----
PROCEDURES:										
Angioplasty	64	4.7	3.4	3.1	6.3	4.4	3.1	6.3	5.3	2.9
Coronary Artery Bypass Graft	40	2.5	6.2	-----	7.5	8.8	-----	10.0	9.9	-----
Initial Pacemaker Insertion	30	3.3	3.1	-----	3.3	5.9	-----	13.3	8.5	-----
Carotid Endarterectomy	13	0.0	1.7	-----	0.0	3.1	-----	0.0	4.4	-----
Hip Replacement/Reconstruction	48	10.4	5.1	-----	18.8	9.0	-----	25.0	11.7	-----
Open Reduction of Hip Fracture	57	8.8	6.2	3.6	8.8	11.2	5.1	8.8	14.9	8.2
Prostatectomy	108	0.9	0.8	0.9	2.8	1.9	1.5	3.7	3.3	1.8
Cholecystectomy	83	2.4	2.8	1.9	4.8	5.4	2.7	9.6	7.3	3.5
Hysterectomy	43	0.0	0.4	-----	0.0	0.8	-----	2.3	1.3	-----

* The Standard Deviation (SD) Is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



UNION HOSPITAL INC
Medicare Provider Number: 150023

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	74.4 years
Proportion female	58.2 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	32.7 %
Transferred from skilled nursing facility	4.8 %
Admitted for elective procedure	14.8 %
Admitted for emergency	61.0 %

COMORBIDITIES:	
Cancer	9.0 %
Chronic cardiovascular disease	37.8 %
Chronic liver disease	1.2 %
Chronic renal disease	3.6 %
Chronic pulmonary disease	15.2 %
Cerebrovascular degeneration	2.1 %
Diabetes mellitus	9.7 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	65.9%
State	20.6%
Outside State	13.5%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	8.3 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	294
Occupancy Rate	74.0 %
Ownership.Control	Private, Non-Profit
Medicare Discharges	45.4 %
Case Mix Index (CMI)	1.3773
STAFFING:	
Total Number of Physicians	100
Percent of Physicians Board Certified Specialists	76.0 %
Medical Residents/Interns	13
Registered Nurses	372
Licensed Practical Nurses	89

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	Yes
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	No
Rehabilitation	Yes
Psychiatric	No
Medicare Swing Beds	Yes

** Except for CMI

*** Not used in calculating mortality rates**

VENCOR HOSPITAL-LAGRANGE

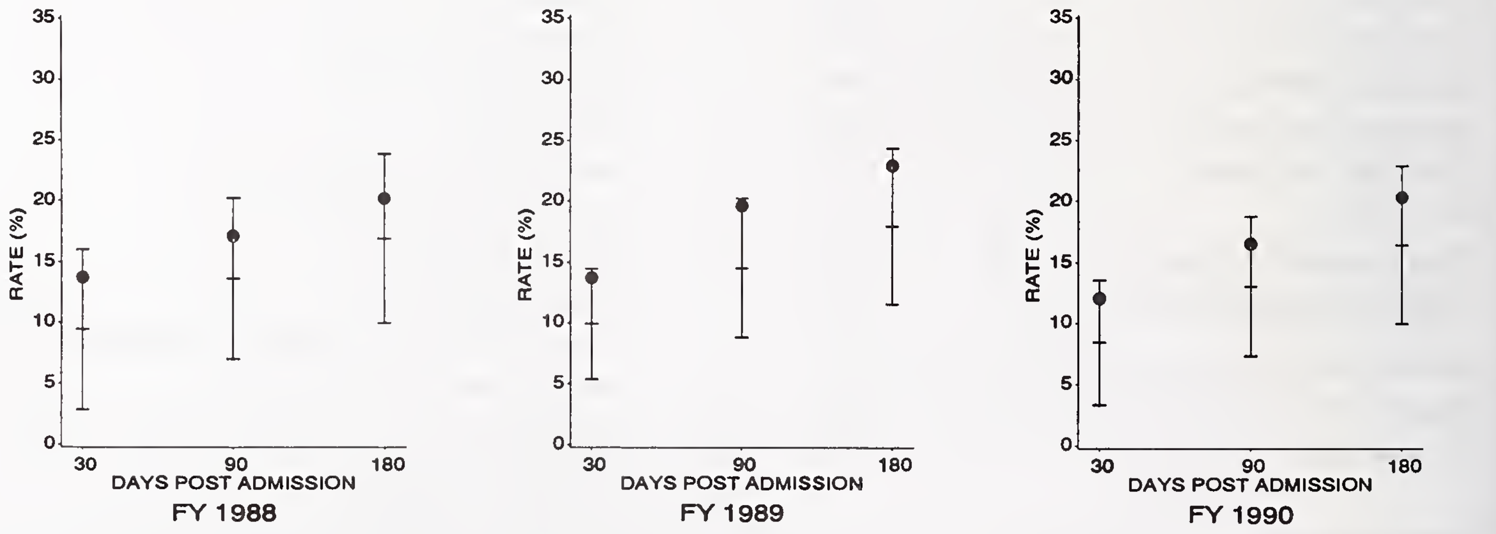
0300N 00EW
LAGRANGE, IN 46761
Medicare Provider Number: 150096

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	316	12.0	8.4	2.6	16.5	13.0	2.9	20.3	16.4	3.2
CONDITIONS:										
Acute Myocardial Infarction	5	40.0	38.8	-----	40.0	41.5	-----	40.0	44.6	-----
Congestive Heart Failure	24	25.0	15.7	-----	33.3	25.0	-----	33.3	31.5	-----
Pneumonia/Influenza	29	17.2	14.2	-----	27.6	19.7	-----	31.0	23.3	-----
Chronic Obstructive Pulmonary Disease	14	0.0	7.4	-----	14.3	13.4	-----	14.3	17.8	-----
Transient Cerebral Ischemia	5	20.0	2.5	-----	20.0	5.9	-----	20.0	9.8	-----
Stroke	12	25.0	12.8	-----	25.0	18.8	-----	41.7	22.5	-----
Hip Fracture	1	0.0	2.3	-----	0.0	4.7	-----	0.0	6.5	-----
Sepsis	3	100.0	24.2	-----	100.0	27.3	-----	100.0	30.1	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	2.1	-----	0.0	4.5	-----	0.0	6.3	-----
Open Reduction of Hip Fracture	0									
Prostatectomy	5	0.0	0.5	-----	0.0	1.3	-----	0.0	2.4	-----
Cholecystectomy	4	0.0	1.2	-----	0.0	1.9	-----	0.0	2.5	-----
Hysterectomy	3	0.0	0.4	-----	0.0	1.1	-----	0.0	2.0	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



VENCOR HOSPITAL-LAGRANGE

Medicare Provider Number: 150096

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	76.3 years	Cancer	6.6 %
Proportion female	58.5 %	Chronic cardiovascular disease	26.6 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.0 %
Referred by personal or HMO physician	55.1 %	Chronic renal disease	4.4 %
Transferred from skilled nursing facility	0.0 %	Chronic pulmonary disease	14.9 %
Admitted for elective procedure	37.0 %	Cerebrovascular degeneration	5.1 %
Admitted for emergency	0.3 %	Diabetes mellitus	9.2 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City	72.7%	Hospital	4.8 Days
State	13.1%	State	8.0 Days
Outside State	14.2%	National	8.6 Days
Total	100.0%		

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:		SPECIALTY SERVICES:	
Total Beds	62	Burn Unit	No
Occupancy Rate	37.0 %	Cardiac Intensive Care	No
Ownership/Control	Private, For Profit	Comprehensive Geriatric	No
Medicare Discharges	(Not Available)	Hospice Care	No
Case Mix Index (CMI)	1.0352	Medical/Surgical Intensive Care	Yes
STAFFING:		Organ/Tissue Transplant	Yes
Total Number of Physicians	(Not Available)	Other Intensive Care	No
Percent of Physicians Board Certified Specialists	(Not Available)	Trauma Center	No
		OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Medical Residents/Interns	(Not Available)	Alcohol/Drug	No
Registered Nurses	(Not Available)	Rehabilitation	Yes
Licensed Practical Nurses	(Not Available)	Psychiatric	No
		Medicare Swing Beds	No

** Except for CMI

* Not used in calculating mortality rates

VERMILLION COUNTY HOSPITAL

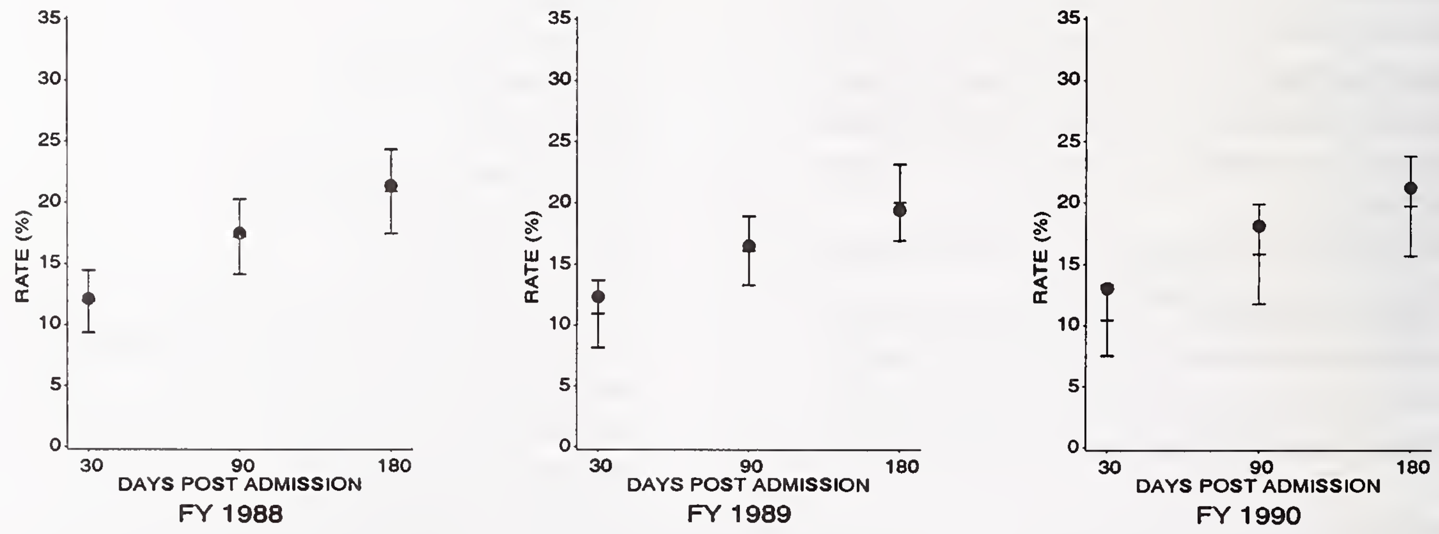
801 SOUTH MAIN STREET
CLINTON, IN 47842
Medicare Provider Number: 150060

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD*	90 DAYS OBS	PRED	SD*	180 DAYS OBS	PRED	SD*
ALL CAUSES	647	13.0	10.4	1.5	18.1	15.8	2.0	21.2	19.7	2.0
CONDITIONS:										
Acute Myocardial Infarction	21	38.1	27.3	-----	42.9	31.3	-----	52.4	34.6	-----
Congestive Heart Failure	46	15.2	15.8	-----	17.4	25.5	-----	21.7	32.5	-----
Pneumonia/Influenza	66	13.6	12.8	4.9	19.7	17.9	5.0	21.2	21.5	5.1
Chronic Obstructive Pulmonary Disease	19	0.0	11.0	-----	10.5	20.0	-----	10.5	26.0	-----
Transient Cerebral Ischemia	5	0.0	1.0	-----	0.0	2.3	-----	0.0	3.8	-----
Stroke	25	20.0	17.6	-----	24.0	24.8	-----	24.0	29.5	-----
Hip Fracture	22	0.0	5.0	-----	9.1	9.2	-----	9.1	12.3	-----
Sepsis	19	52.6	28.8	-----	57.9	37.4	-----	63.2	42.8	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	13	0.0	3.6	-----	7.7	7.2	-----	15.4	10.2	-----
Open Reduction of Hip Fracture	7	0.0	3.4	-----	0.0	6.8	-----	0.0	9.7	-----
Prostatectomy	15	0.0	0.9	-----	0.0	1.8	-----	0.0	3.1	-----
Cholecystectomy	14	7.1	1.3	-----	7.1	2.3	-----	7.1	3.3	-----
Hysterectomy	6	0.0	0.3	-----	0.0	0.8	-----	0.0	1.3	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

VERMILLION COUNTY HOSPITAL

Medicare Provider Number: 150060

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	76.5 years
Proportion female	63.5 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	94.7 %
Transferred from skilled nursing facility	0.5 %
Admitted for elective procedure	5.4 %
Admitted for emergency	12.4 %

COMORBIDITIES:	
Cancer	7.4 %
Chronic cardiovascular disease	40.6 %
Chronic liver disease	0.8 %
Chronic renal disease	3.9 %
Chronic pulmonary disease	19.8 %
Cerebrovascular degeneration	8.5 %
Diabetes mellitus	7.4 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	47.4%
State	50.5%
Outside State	2.1%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	7.0 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	56
Occupancy Rate	58.0 %
Ownership/Control	Local Government
Medicare Discharges	52.5 %
Case Mix Index (CMI)	1.1310
STAFFING:	
Total Number of Physicians	18
Percent of Physicians Board Certified Specialists	55.6 %
Medical Residents/Interns	0
Registered Nurses	36
Licensed Practical Nurses	19

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	Yes

** Except for CMI

*** Not used in calculating mortality rates**

WABASH COUNTY HOSPITAL

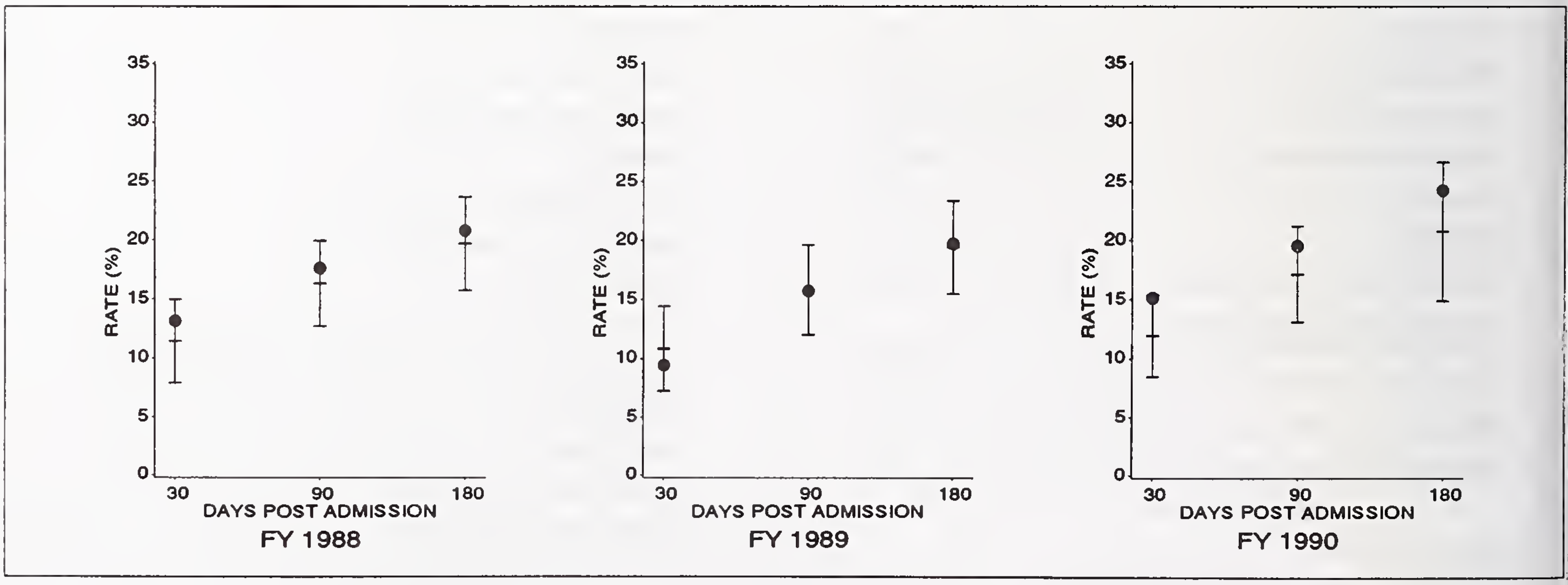
670 NE STREET, BOX 548
WABASH, IN 46992
Medicare Provider Number: 150105

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD*	90 DAYS OBS	90 DAYS PRED	90 DAYS SD*	180 DAYS OBS	180 DAYS PRED	180 DAYS SD*
ALL CAUSES	538	15.1	11.9	1.7	19.5	17.1	2.0	24.2	20.7	2.9
CONDITIONS:										
Acute Myocardial Infarction	32	31.3	37.2	-----	34.4	39.8	-----	43.8	42.9	-----
Congestive Heart Failure	47	10.6	12.6	-----	14.9	19.6	-----	21.3	25.1	-----
Pneumonia/Influenza	67	14.9	14.5	4.3	20.9	20.0	6.2	23.9	23.6	6.0
Chronic Obstructive Pulmonary Disease	4	25.0	6.9	-----	25.0	10.4	-----	25.0	14.0	-----
Transient Cerebral Ischemia	3	0.0	1.3	-----	0.0	2.8	-----	0.0	4.7	-----
Stroke	17	58.8	27.0	-----	64.7	34.5	-----	82.4	38.5	-----
Hip Fracture	22	4.5	5.9	-----	13.6	10.4	-----	13.6	13.6	-----
Sepsis	9	22.2	20.9	-----	33.3	29.0	-----	44.4	34.1	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	16.7	5.1	-----	16.7	9.5	-----	16.7	12.3	-----
Open Reduction of Hip Fracture	15	0.0	5.4	-----	6.7	9.8	-----	6.7	13.1	-----
Prostatectomy	15	6.7	0.9	-----	6.7	2.0	-----	6.7	3.4	-----
Cholecystectomy	12	0.0	1.3	-----	0.0	2.6	-----	0.0	4.0	-----
Hysterectomy	13	7.7	0.3	-----	7.7	0.8	-----	7.7	1.4	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

WABASH COUNTY HOSPITAL

Medicare Provider Number: 150105

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	76.4 years
Proportion female	63.0 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	49.8 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	12.6 %
Admitted for emergency	32.2 %

COMORBIDITIES:	
Cancer	6.5 %
Chronic cardiovascular disease	38.7 %
Chronic liver disease	0.4 %
Chronic renal disease	3.7 %
Chronic pulmonary disease	15.6 %
Cerebrovascular degeneration	3.3 %
Diabetes mellitus	8.7 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	84.8%
State	13.0%
Outside State	2.2%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	4.8 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	114
Occupancy Rate	29.0 %
Ownership/Control	Local Government
Medicare Discharges	30.1 %
Case Mix Index (CMI)	1.1911
STAFFING:	
Total Number of Physicians	33
Percent of Physicians Board Certified Specialists	72.7 %
Medical Residents/Interns	0
Registered Nurses	65
Licensed Practical Nurses	18

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	Yes
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

** Except for CMI

*** Not used in calculating mortality rates**

WARRICK HOSPITAL INC

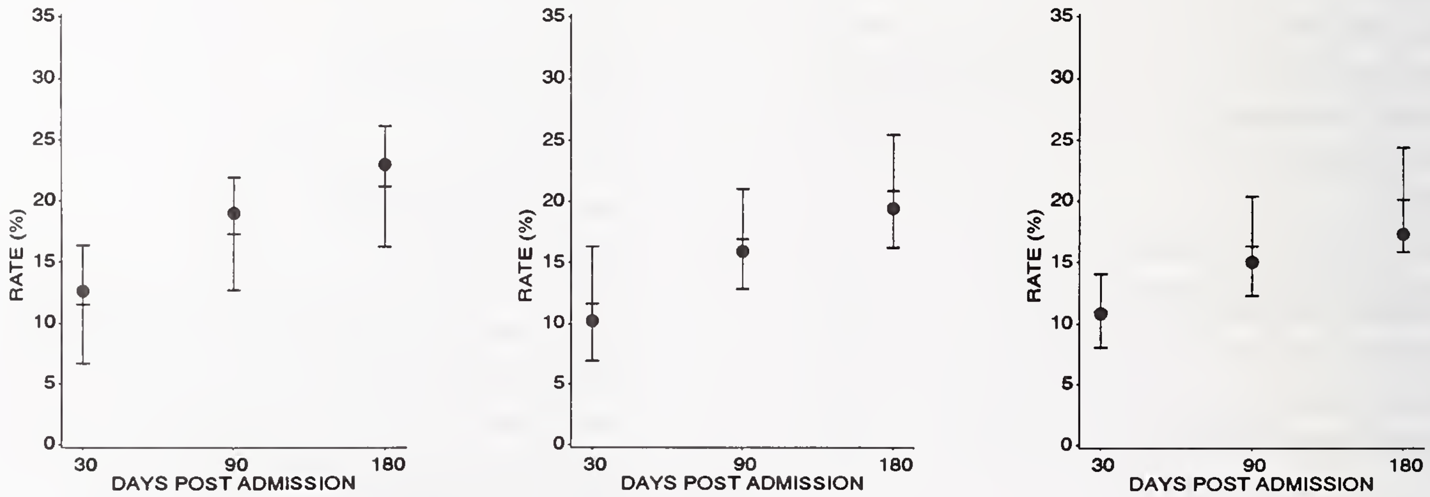
1116 MILLIS AVENUE
BOONVILLE, IN 47601
Medicare Provider Number: 150130

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD*	90 DAYS OBS	90 DAYS PRED	90 DAYS SD*	180 DAYS OBS	180 DAYS PRED	180 DAYS SD*
ALL CAUSES	434	10.8	11.0	1.5	15.0	16.3	2.0	17.3	20.1	2.1
CONDITIONS:										
Acute Myocardial Infarction	19	42.1	28.1	-----	42.1	31.8	-----	42.1	34.9	-----
Congestive Heart Failure	38	10.5	13.9	-----	15.8	21.9	-----	23.7	28.0	-----
Pneumonia/Influenza	38	18.4	18.1	-----	23.7	24.8	-----	28.9	29.0	-----
Chronic Obstructive Pulmonary Disease	6	0.0	4.7	-----	0.0	9.5	-----	0.0	14.2	-----
Transient Cerebral Ischemia	13	0.0	1.9	-----	0.0	4.3	-----	0.0	7.2	-----
Stroke	19	21.1	23.5	-----	26.3	31.1	-----	31.6	35.3	-----
Hip Fracture	7	14.3	5.9	-----	14.3	10.4	-----	14.3	13.4	-----
Sepsis	5	0.0	17.5	-----	0.0	23.5	-----	0.0	26.9	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	20.0	5.5	-----	20.0	10.6	-----	20.0	14.1	-----
Open Reduction of Hip Fracture	2	0.0	5.2	-----	0.0	7.9	-----	0.0	10.0	-----
Prostatectomy	2	0.0	1.8	-----	0.0	4.0	-----	0.0	6.4	-----
Cholecystectomy	12	16.7	2.6	-----	16.7	4.6	-----	16.7	5.9	-----
Hysterectomy	2	0.0	0.1	-----	0.0	0.2	-----	0.0	0.3	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

WARRICK HOSPITAL INC
Medicare Provider Number: 150130

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	75.7 years	Cancer	6.2 %
Proportion female	58.3 %	Chronic cardiovascular disease	50.0 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	1.4 %
Referred by personal or HMO physician	20.3 %	Chronic renal disease	0.9 %
Transferred from skilled nursing facility	0.0 %	Chronic pulmonary disease	21.9 %
Admitted for elective procedure	2.8 %	Cerebrovascular degeneration	3.5 %
Admitted for emergency	23.5 %	Diabetes mellitus	11.1 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City	84.0%	Hospital	5.5 Days
State	13.7%	State	8.0 Days
Outside State	2.3%	National	8.6 Days
Total	100.0%		

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:		SPECIALTY SERVICES:	
Total Beds	41	Burn Unit	No
Occupancy Rate	51.0 %	Cardiac Intensive Care	No
Ownership.Control	Private, Non-Profit	Comprehensive Geriatric	No
Medicare Discharges	47.5 %	Hospice Care	No
Case Mix Index (CMI)	1.1329	Medical/Surgical Intensive Care	Yes
STAFFING:		Organ/Tissue Transplant	No
Total Number of Physicians	16	Other Intensive Care	No
Percent of Physicians Board Certified Specialists	43.8 %	Trauma Center	No
		OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Medical Residents/Interns	0	Alcohol/Drug	No
Registered Nurses	36	Rehabilitation	No
Licensed Practical Nurses	17	Psychiatric	No
		Medicare Swing Beds	Yes

** Except for CMI

* Not used in calculating mortality rates

WASHINGTON COUNTY MEMORIAL HOSPITAL

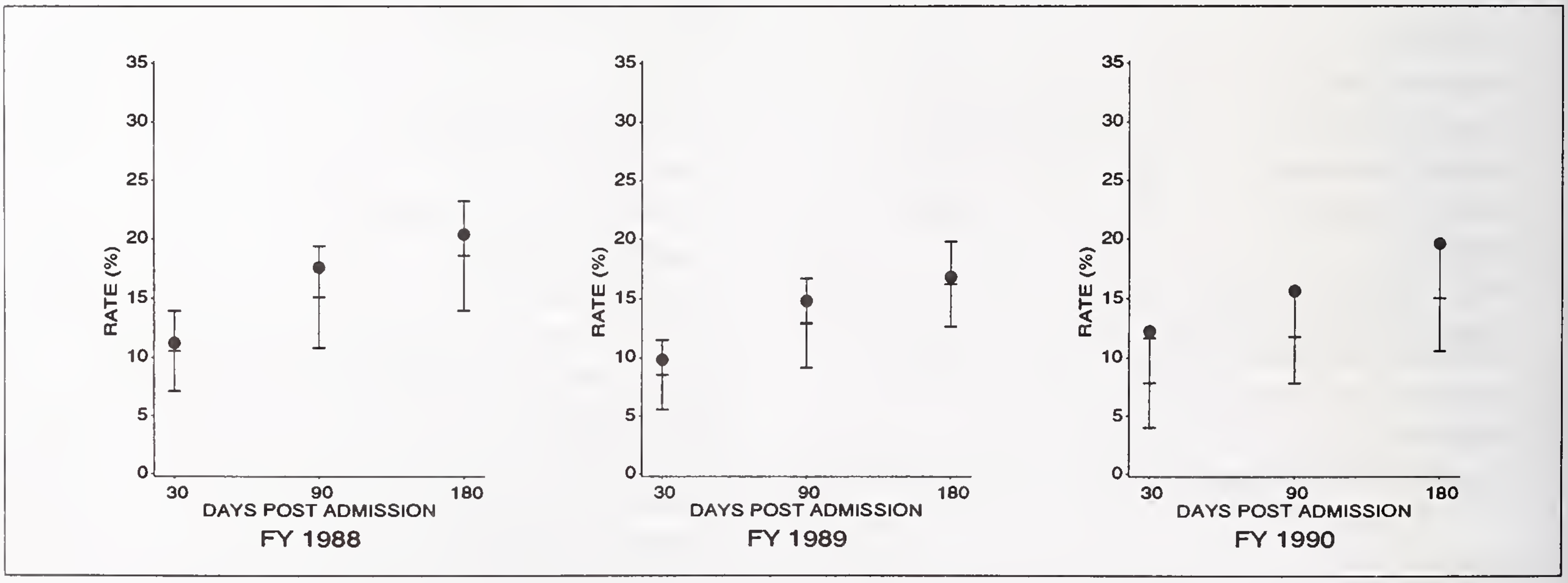
911 N SHELBY ST
SALEM, IN 47167
Medicare Provider Number: 150098

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	450	12.2	7.8	1.9	15.6	11.7	2.0	19.6	15.0	2.2
CONDITIONS:										
Acute Myocardial Infarction	25	44.0	21.8	-----	44.0	25.5	-----	44.0	29.0	-----
Congestive Heart Failure	20	15.0	12.3	-----	15.0	20.0	-----	25.0	25.9	-----
Pneumonia/Influenza	37	18.9	12.2	-----	21.6	17.0	-----	27.0	20.6	-----
Chronic Obstructive Pulmonary Disease	7	0.0	7.1	-----	14.3	12.5	-----	14.3	16.6	-----
Transient Cerebral Ischemia	6	0.0	1.4	-----	0.0	3.4	-----	0.0	5.7	-----
Stroke	26	26.9	12.1	-----	34.6	17.7	-----	46.2	21.6	-----
Hip Fracture	13	0.0	6.2	-----	0.0	11.1	-----	7.7	14.7	-----
Sepsis	3	0.0	20.9	-----	0.0	26.2	-----	0.0	30.0	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	4.9	-----	0.0	9.9	-----	0.0	13.1	-----
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	50.0	1.9	-----	50.0	4.0	-----	50.0	5.9	-----
Open Reduction of Hip Fracture	9	0.0	6.2	-----	0.0	11.4	-----	0.0	15.0	-----
Prostatectomy	4	0.0	4.4	-----	0.0	10.6	-----	0.0	17.0	-----
Cholecystectomy	5	0.0	0.5	-----	0.0	0.9	-----	0.0	1.2	-----
Hysterectomy	2	0.0	1.3	-----	0.0	2.2	-----	0.0	3.3	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



WASHINGTON COUNTY MEMORIAL HOSPITAL
Medicare Provider Number: 150098

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	75.1 years	Cancer	5.8 %
Proportion female	56.7 %	Chronic cardiovascular disease	30.4 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.7 %
Referred by personal or HMO physician	86.7 %	Chronic renal disease	1.3 %
Transferred from skilled nursing facility	0.4 %	Chronic pulmonary disease	15.3 %
Admitted for elective procedure	59.6 %	Cerebrovascular degeneration	7.1 %
Admitted for emergency	16.9 %	Diabetes mellitus	4.2 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City	78.5%	Hospital	5.9 Days
State	17.4%	State	8.0 Days
Outside State	4.1%	National	8.6 Days
Total	100.0%		

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:		SPECIALTY SERVICES:	
Total Beds	70	Burn Unit	No
Occupancy Rate	47.0 %	Cardiac Intensive Care	No
Ownership/Control	Local Government	Comprehensive Geriatric	No
Medicare Discharges	40.8 %	Hospice Care	No
Case Mix Index (CMI)	0.9879	Medical/Surgical Intensive Care	Yes
STAFFING:		Organ/Tissue Transplant	No
Total Number of Physicians	10	Other Intensive Care	No
Percent of Physicians Board Certified Specialists	60.0 %	Trauma Center	No
		OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Medical Residents/Interns	0	Alcohol/Drug	No
Registered Nurses	25	Rehabilitation	No
Licensed Practical Nurses	17	Psychiatric	Yes
		Medicare Swing Beds	No

** Except for CMI

* Not used in calculating mortality rates

WELBORN BAPTIST HOSPITAL

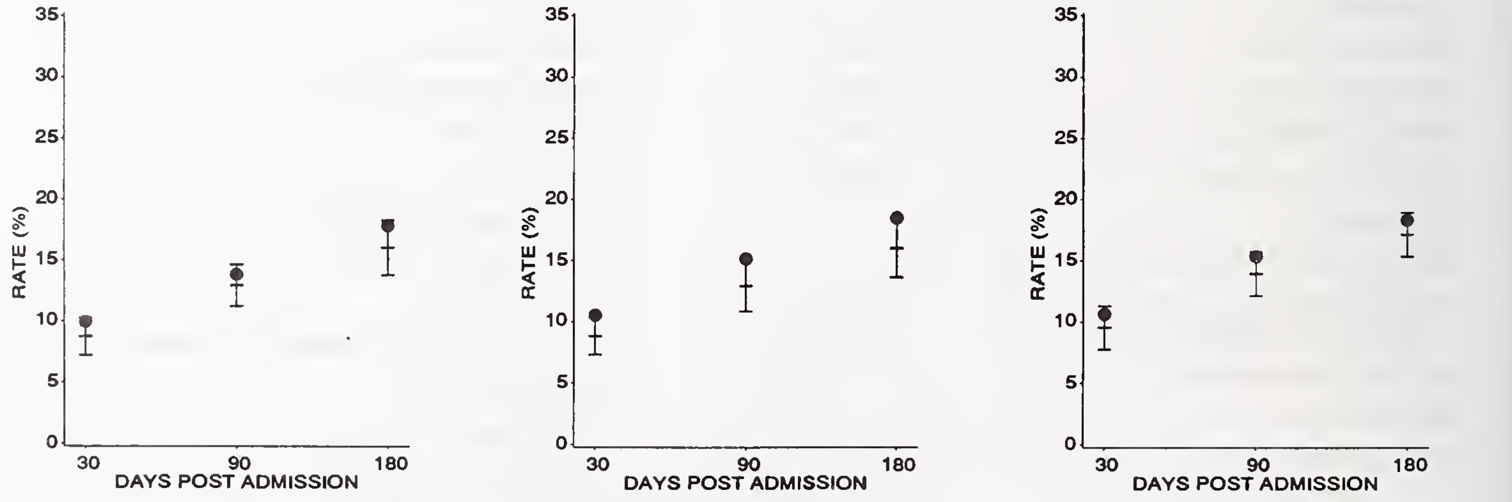
401 SOUTHEAST 6TH ST
EVANSVILLE, IN 47713
Medicare Provider Number: 150025

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD*	90 DAYS OBS	90 DAYS PRED	90 DAYS SD*	180 DAYS OBS	180 DAYS PRED	180 DAYS SD*
ALL CAUSES	2327	10.6	9.5	0.9	15.3	13.9	0.9	18.3	17.1	0.9
CONDITIONS:										
Acute Myocardial Infarction	92	27.2	25.7	4.7	29.3	28.4	4.8	31.5	31.2	5.5
Congestive Heart Failure	94	17.0	12.7	6.3	24.5	20.1	7.3	31.9	25.9	8.5
Pneumonia/Influenza	98	21.4	17.2	7.5	31.6	23.5	9.5	35.7	27.7	9.3
Chronic Obstructive Pulmonary Disease	27	11.1	7.3	-----	14.8	13.0	-----	18.5	17.5	-----
Transient Cerebral Ischemia	29	0.0	1.5	-----	3.4	3.5	-----	6.9	5.8	-----
Stroke	83	30.1	22.4	8.3	39.8	27.6	8.7	42.2	31.0	8.7
Hip Fracture	70	7.1	5.7	4.4	12.9	10.4	5.6	18.6	13.7	5.4
Sepsis	18	22.2	28.2	-----	33.3	37.1	-----	38.9	42.0	-----
PROCEDURES:										
Angioplasty	48	6.3	3.2	-----	6.3	3.9	-----	8.3	4.6	-----
Coronary Artery Bypass Graft	53	3.8	5.3	3.9	5.7	7.0	5.4	5.7	7.8	5.0
Initial Pacemaker Insertion	8	12.5	3.2	-----	12.5	7.1	-----	12.5	11.1	-----
Carotid Endarterectomy	10	20.0	1.7	-----	20.0	3.4	-----	20.0	5.1	-----
Hip Replacement/Reconstruction	46	0.0	2.0	-----	2.2	3.8	-----	2.2	5.2	-----
Open Reduction of Hip Fracture	19	15.8	7.1	-----	21.1	13.7	-----	26.3	18.2	-----
Prostatectomy	71	2.8	0.9	1.9	4.2	2.0	2.5	4.2	3.4	2.6
Cholecystectomy	65	0.0	2.0	2.3	1.5	3.7	3.2	1.5	4.9	4.0
Hysterectomy	29	0.0	0.7	-----	3.4	1.7	-----	3.4	2.8	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases Is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

WELBORN BAPTIST HOSPITAL

Medicare Provider Number: 150025

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	73.9 years
Proportion female	52.9 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	54.8 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	24.1 %
Admitted for emergency	44.7 %

COMORBIDITIES:	
Cancer	6.4 %
Chronic cardiovascular disease	30.2 %
Chronic liver disease	0.8 %
Chronic renal disease	3.7 %
Chronic pulmonary disease	14.4 %
Cerebrovascular degeneration	4.0 %
Diabetes mellitus	7.6 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	55.3%
State	22.5%
Outside State	22.2%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	8.1 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	349
Occupancy Rate	66.0 %
Ownership.Control	Private, Non-Profit
Medicare Discharges	32.6 %
Case Mix Index (CMI)	1.4703
STAFFING:	
Total Number of Physicians	129
Percent of Physicians Board Certified Specialists	85.3 %
Medical Residents/Interns	0
Registered Nurses	377
Licensed Practical Nurses	16

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	Yes
Rehabilitation	Yes
Psychiatric	Yes
Medicare Swing Beds	No

** Except for CMI

* Not used in calculating mortality rates

WELLS COMMUNITY HOSPITAL

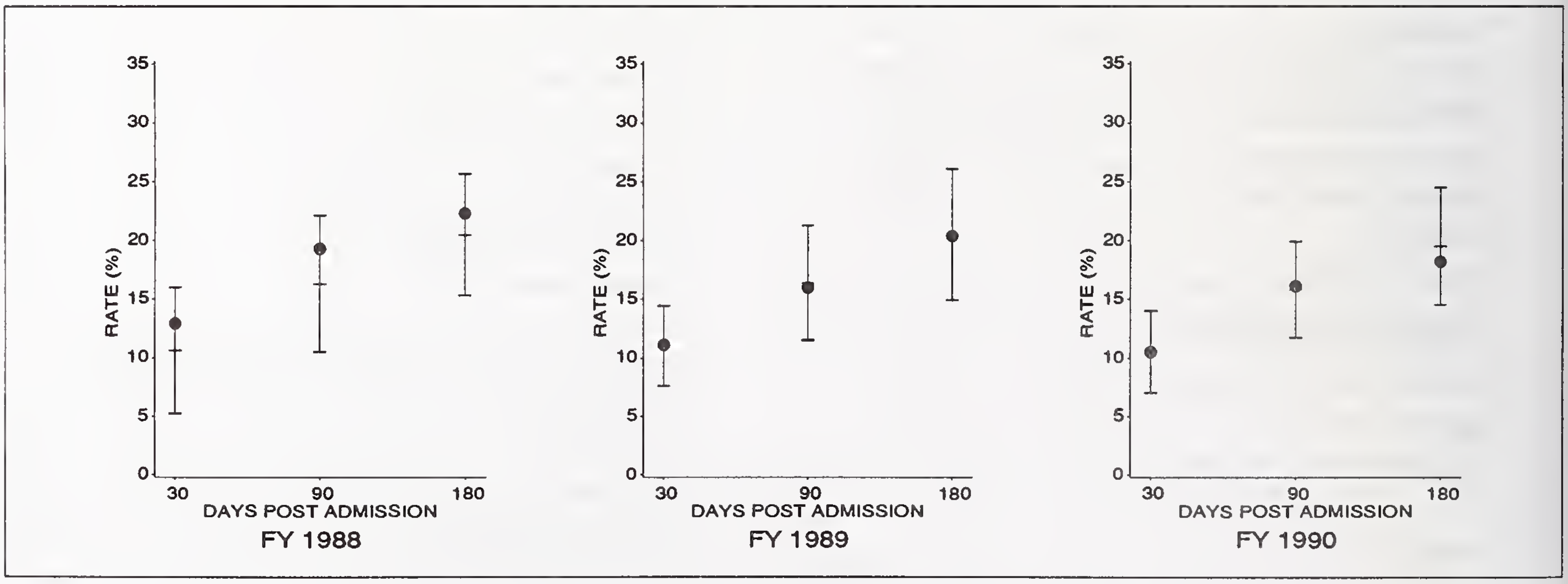
1100 SOUTH MAIN STREET
BLUFFTON, IN 46714
Medicare Provider Number: 150063

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	380	10.5	10.5	1.8	16.1	15.8	2.1	18.2	19.5	2.5
CONDITIONS:										
Acute Myocardial Infarction	7	42.9	31.8	-----	42.9	34.4	-----	42.9	36.8	-----
Congestive Heart Failure	32	18.8	16.7	-----	31.3	25.5	-----	34.4	31.9	-----
Pneumonia/Influenza	25	16.0	17.5	-----	28.0	24.0	-----	28.0	28.3	-----
Chronic Obstructive Pulmonary Disease	2	0.0	13.2	-----	0.0	22.6	-----	0.0	28.5	-----
Transient Cerebral Ischemia	6	0.0	1.1	-----	0.0	2.6	-----	16.7	4.4	-----
Stroke	10	20.0	20.8	-----	40.0	27.3	-----	40.0	30.8	-----
Hip Fracture	18	5.6	4.8	-----	16.7	9.0	-----	16.7	12.2	-----
Sepsis	3	33.3	30.6	-----	100.0	39.4	-----	100.0	43.9	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	12	8.3	5.1	-----	33.3	9.8	-----	33.3	13.3	-----
Open Reduction of Hip Fracture	5	0.0	5.0	-----	0.0	9.9	-----	0.0	13.8	-----
Prostatectomy	16	0.0	0.8	-----	0.0	1.8	-----	6.3	3.1	-----
Cholecystectomy	13	7.7	3.7	-----	7.7	8.2	-----	7.7	12.0	-----
Hysterectomy	6	0.0	0.1	-----	0.0	0.4	-----	0.0	0.7	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



WELLS COMMUNITY HOSPITAL

Medicare Provider Number: 150063

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	78.2 years	Cancer	7.6 %
Proportion female	59.7 %	Chronic cardiovascular disease	37.1 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	1.3 %
Referred by personal or HMO physician	46.3 %	Chronic renal disease	2.9 %
Transferred from skilled nursing facility	0.0 %	Chronic pulmonary disease	10.8 %
Admitted for elective procedure	13.4 %	Cerebrovascular degeneration	5.8 %
Admitted for emergency	7.1 %	Diabetes mellitus	10.0 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City	53.0%	Hospital	5.5 Days
State	45.0%	State	8.0 Days
Outside State	2.0%	National	8.6 Days
Total	100.0%		

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:		SPECIALTY SERVICES:	
Total Beds	45	Burn Unit	No
Occupancy Rate	33.0 %	Cardiac Intensive Care	No
Ownership/Control	Local Government	Comprehensive Geriatric	No
Medicare Discharges	(Not Available)	Hospice Care	Yes
Case Mix Index (CMI)	1.1614	Medical/Surgical Intensive Care	Yes
STAFFING:		Organ/Tissue Transplant	No
Total Number of Physicians	18	Other Intensive Care	No
Percent of Physicians Board Certified Specialists	(Not Available)	Trauma Center	No
		OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Medical Residents/Interns	0	Alcohol/Drug	No
Registered Nurses	34	Rehabilitation	No
Licensed Practical Nurses	2	Psychiatric	No
		Medicare Swing Beds	No

** Except for CMI

* Not used in calculating mortality rates

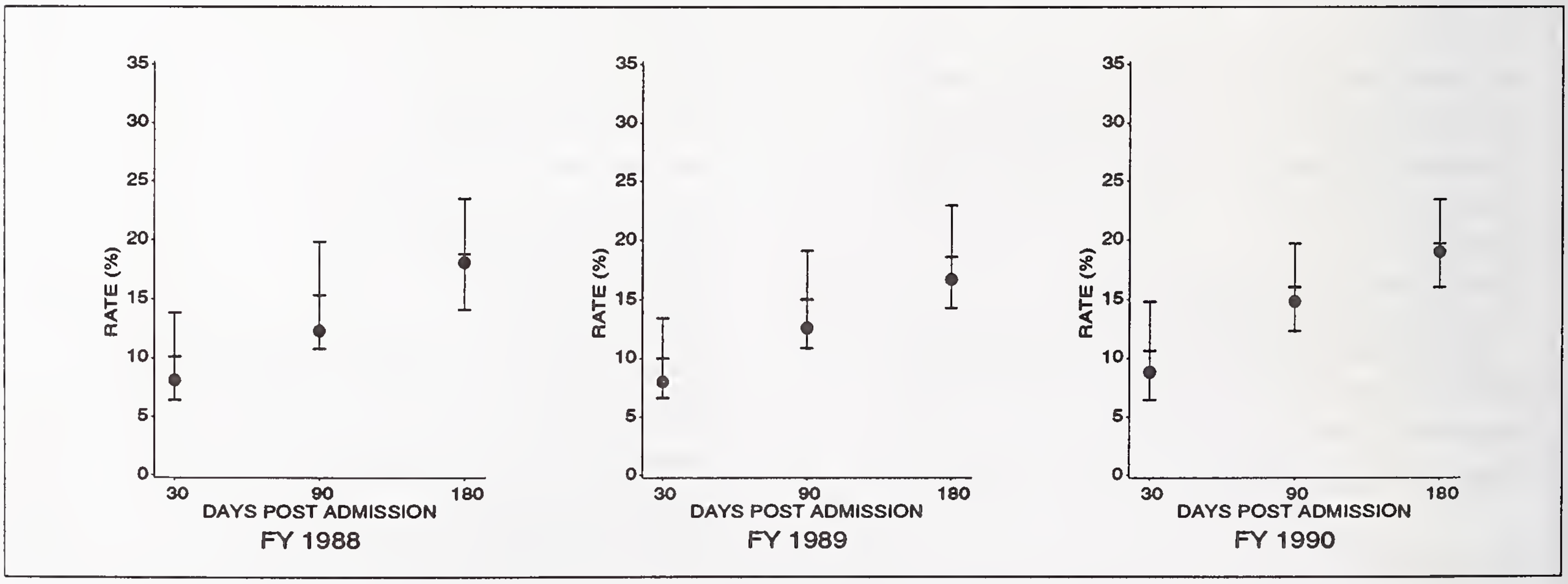
WESTVIEW HOSPITAL
3630 GUION RD
INDIANAPOLIS, IN 46222
Medicare Provider Number: 150129

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	546	8.8	10.6	2.1	14.8	16.0	1.9	19.0	19.7	1.9
CONDITIONS:										
Acute Myocardial Infarction	11	27.3	27.2	-----	27.3	30.6	-----	27.3	33.6	-----
Congestive Heart Failure	34	8.8	13.3	-----	14.7	21.3	-----	29.4	27.0	-----
Pneumonia/Influenza	45	6.7	14.3	-----	17.8	19.9	-----	20.0	23.7	-----
Chronic Obstructive Pulmonary Disease	6	0.0	3.9	-----	0.0	7.6	-----	16.7	11.1	-----
Transient Cerebral Ischemia	6	0.0	1.6	-----	0.0	4.0	-----	0.0	7.1	-----
Stroke	20	15.0	17.8	-----	25.0	23.7	-----	25.0	27.5	-----
Hip Fracture	7	0.0	7.5	-----	0.0	13.6	-----	0.0	17.4	-----
Sepsis	10	30.0	21.9	-----	30.0	28.4	-----	30.0	33.5	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	1	0.0	0.5	-----	0.0	1.0	-----	0.0	1.5	-----
Hip Replacement/Reconstruction	8	12.5	7.0	-----	12.5	13.7	-----	12.5	18.3	-----
Open Reduction of Hip Fracture	2	0.0	2.9	-----	0.0	5.2	-----	0.0	6.9	-----
Prostatectomy	14	0.0	0.5	-----	0.0	1.2	-----	0.0	2.2	-----
Cholecystectomy	8	0.0	1.6	-----	0.0	3.0	-----	0.0	3.8	-----
Hysterectomy	7	0.0	1.4	-----	0.0	3.1	-----	0.0	4.9	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



WESTVIEW HOSPITAL
Medicare Provider Number: 150129

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	73.5 years
Proportion female	58.8 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	46.0 %
Transferred from skilled nursing facility	0.2 %
Admitted for elective procedure	0.7 %
Admitted for emergency	41.9 %

COMORBIDITIES:

Cancer	7.5 %
Chronic cardiovascular disease	34.6 %
Chronic liver disease	1.3 %
Chronic renal disease	2.6 %
Chronic pulmonary disease	30.0 %
Cerebrovascular degeneration	4.4 %
Diabetes mellitus	9.7 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	86.5%
State	12.3%
Outside State	1.2%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	7.6 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	98
Occupancy Rate	43.0 %
Ownership.Control	Private, Non-Profit
Medicare Discharges	41.1 %
Case Mix Index (CMI)	1.2696

STAFFING:

Total Number of Physicians	132
Percent of Physicians Board Certified Specialists	66.7 %
Medical Residents/Interns	0
Registered Nurses	33
Licensed Practical Nurses	4

** Except for CMI

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	Yes

*** Not used in calculating mortality rates**

WHITE COUNTY MEMORIAL HOSPITAL

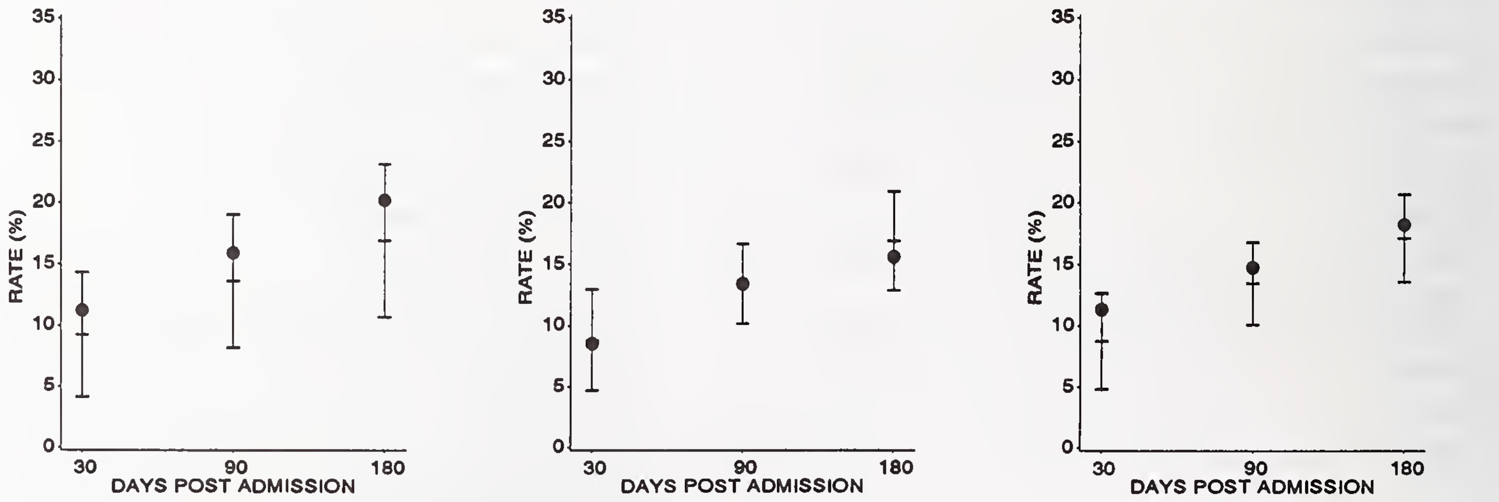
1101 OCONNOR BLVD
MONTICELLO, IN 47960
Medicare Provider Number: 150036

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	495	11.3	8.7	2.0	14.7	13.4	1.7	18.2	17.1	1.8
CONDITIONS:										
Acute Myocardial Infarction	10	40.0	32.1	-----	50.0	34.7	-----	50.0	37.4	-----
Congestive Heart Failure	33	24.2	14.6	-----	24.2	23.2	-----	30.3	29.5	-----
Pneumonia/Influenza	50	12.0	13.4	-----	16.0	19.2	-----	20.0	22.8	-----
Chronic Obstructive Pulmonary Disease	22	18.2	7.1	-----	22.7	12.4	-----	22.7	16.7	-----
Transient Cerebral Ischemia	15	0.0	1.4	-----	0.0	3.2	-----	6.7	5.2	-----
Stroke	19	21.1	17.7	-----	26.3	24.9	-----	26.3	30.0	-----
Hip Fracture	13	15.4	6.1	-----	15.4	11.4	-----	15.4	15.2	-----
Sepsis	4	0.0	18.0	-----	25.0	27.1	-----	25.0	32.1	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	25.0	6.5	-----	25.0	13.0	-----	25.0	18.0	-----
Open Reduction of Hip Fracture	5	0.0	5.1	-----	0.0	10.0	-----	0.0	13.7	-----
Prostatectomy	11	0.0	0.8	-----	0.0	2.2	-----	0.0	4.0	-----
Cholecystectomy	8	12.5	2.1	-----	12.5	4.4	-----	12.5	6.3	-----
Hysterectomy	2	0.0	0.4	-----	0.0	1.1	-----	0.0	2.0	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988 FY 1989 FY 1990

WHITE COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 150036

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	75.6 years
Proportion female	62.4 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	77.8 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	14.1 %
Admitted for emergency	9.1 %

COMORBIDITIES:

Cancer	9.9 %
Chronic cardiovascular disease	33.3 %
Chronic liver disease	0.6 %
Chronic renal disease	1.8 %
Chronic pulmonary disease	19.8 %
Cerebrovascular degeneration	4.4 %
Diabetes mellitus	7.3 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	84.4%
State	11.4%
Outside State	4.2%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	5.0 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	59
Occupancy Rate	32.0 %
Ownership/Control	Local Government
Medicare Discharges	44.4 %
Case Mix Index (CMI)	1.0290

STAFFING:

Total Number of Physicians	10
Percent of Physicians Board Certified Specialists	40.0 %
Medical Residents/Interns	0
Registered Nurses	45
Licensed Practical Nurses	10

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	Yes

** Except for CMI

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* Not used in calculating mortality rates

WHITLEY COUNTY MEMORIAL HOSPITAL

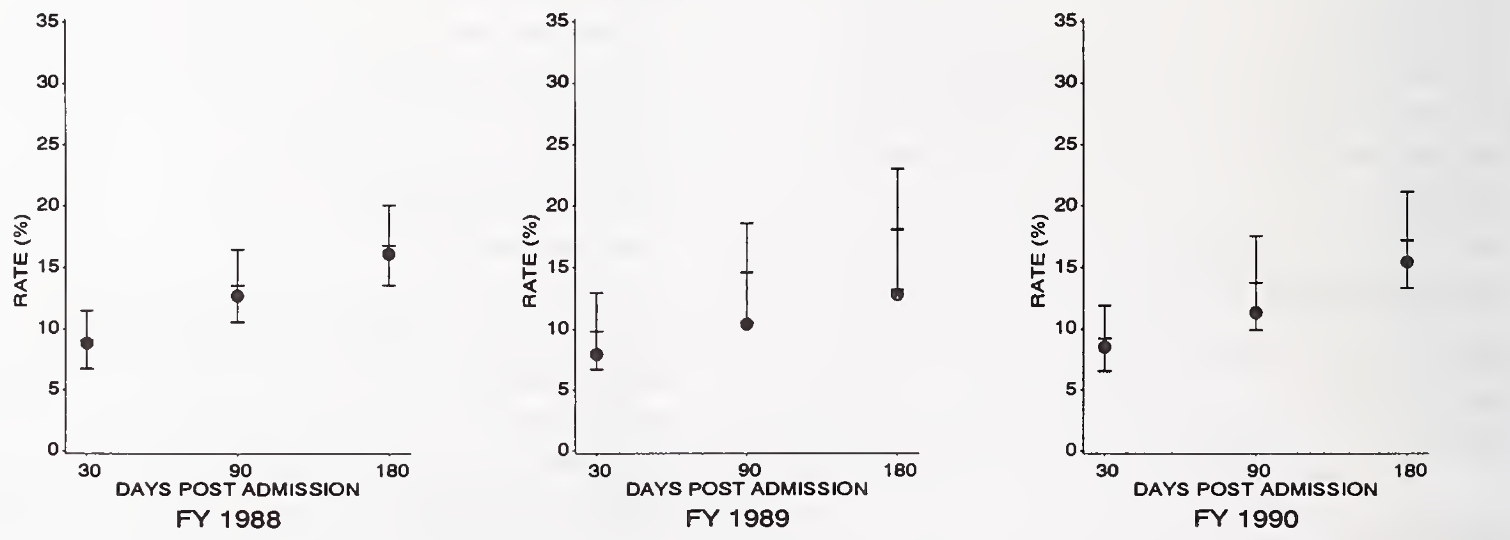
353 N OAK ST
COLUMBIA CITY, IN 46725
Medicare Provider Number: 150101

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	610	8.5	9.2	1.3	11.3	13.7	1.9	15.4	17.2	2.0
CONDITIONS:										
Acute Myocardial Infarction	11	0.0	35.4	-----	0.0	38.5	-----	9.1	41.9	-----
Congestive Heart Failure	28	17.9	13.7	-----	25.0	21.5	-----	39.3	27.6	-----
Pneumonia/Influenza	30	10.0	14.5	-----	13.3	20.2	-----	16.7	23.7	-----
Chronic Obstructive Pulmonary Disease	19	10.5	8.3	-----	10.5	14.9	-----	15.8	20.1	-----
Transient Cerebral Ischemia	13	7.7	1.4	-----	7.7	3.4	-----	7.7	5.9	-----
Stroke	20	25.0	20.3	-----	35.0	26.1	-----	40.0	30.5	-----
Hip Fracture	14	7.1	5.2	-----	7.1	9.4	-----	7.1	12.7	-----
Sepsis	11	18.2	22.2	-----	18.2	27.8	-----	18.2	31.8	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	3.0	-----	0.0	6.1	-----	0.0	9.4	-----
Open Reduction of Hip Fracture	11	0.0	4.8	-----	0.0	8.9	-----	0.0	12.1	-----
Prostatectomy	11	0.0	0.4	-----	0.0	0.9	-----	0.0	1.6	-----
Cholecystectomy	6	0.0	2.6	-----	0.0	4.9	-----	0.0	6.1	-----
Hysterectomy	11	0.0	1.6	-----	0.0	3.0	-----	0.0	4.3	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



WHITLEY COUNTY MEMORIAL HOSPITAL
Medicare Provider Number: 150101

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	76.3 years
Proportion female	60.0 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	63.6 %
Transferred from skilled nursing facility	0.2 %
Admitted for elective procedure	14.3 %
Admitted for emergency	44.8 %

COMORBIDITIES:	
Cancer	5.9 %
Chronic cardiovascular disease	36.2 %
Chronic liver disease	0.7 %
Chronic renal disease	3.8 %
Chronic pulmonary disease	15.4 %
Cerebrovascular degeneration	3.9 %
Diabetes mellitus	7.0 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	66.6%
State	31.6%
Outside State	1.8%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	5.8 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	55
Occupancy Rate	58.0 %
Ownership/Control	Local Government
Medicare Discharges	39.4 %
Case Mix Index (CMI)	1.1027
STAFFING:	
Total Number of Physicians	22
Percent of Physicians Board Certified Specialists	36.4 %
Medical Residents/Interns	0
Registered Nurses	54
Licensed Practical Nurses	10

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

** Except for CMI

*** Not used in calculating mortality rates**

WILLIAM N WISHARD MEMORIAL HOSPITAL

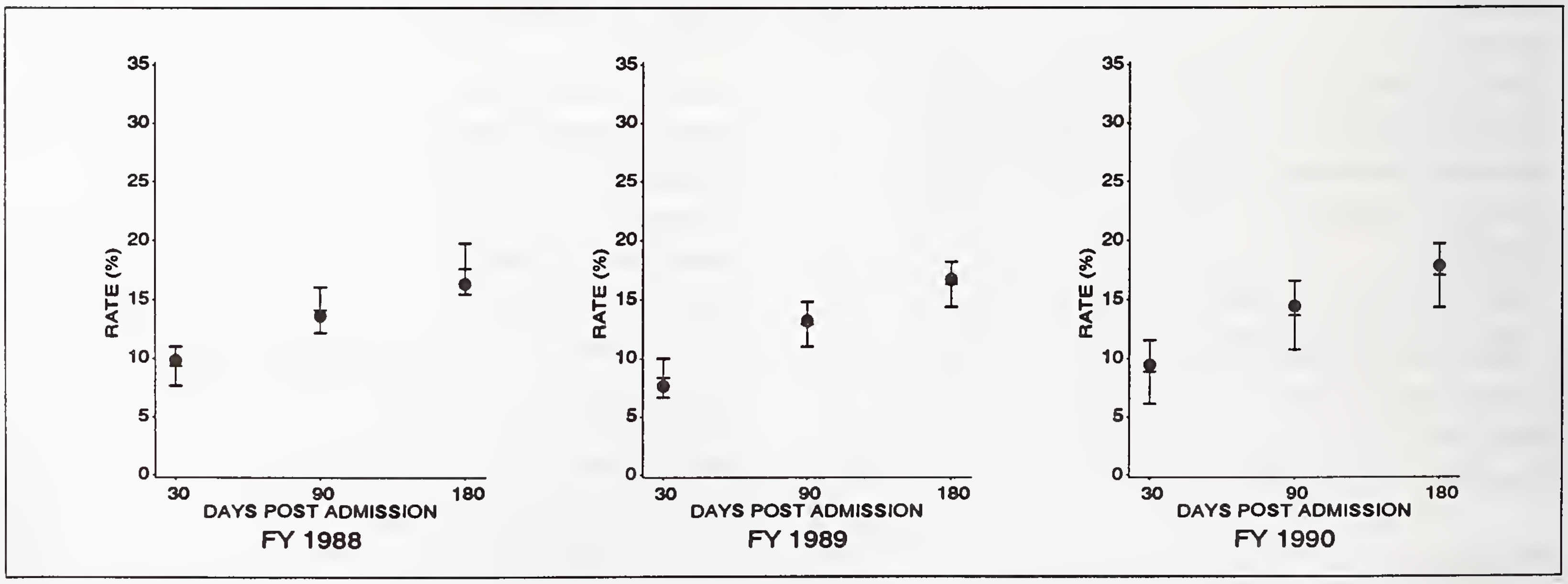
1001 WEST 10TH STREET
INDIANAPOLIS, IN 46202
Medicare Provider Number: 150024

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	1580	9.4	8.8	1.4	14.4	13.6	1.5	17.8	17.0	1.4
CONDITIONS:										
Acute Myocardial Infarction	24	25.0	23.2	-----	25.0	26.2	-----	33.3	28.7	-----
Congestive Heart Failure	74	5.4	12.2	5.6	8.1	20.0	7.6	13.5	25.9	8.1
Pneumonia/Influenza	86	18.6	13.8	6.3	27.9	18.9	6.9	32.6	22.6	7.6
Chronic Obstructive Pulmonary Disease	37	13.5	6.3	-----	16.2	11.2	-----	21.6	15.2	-----
Transient Cerebral Ischemia	3	0.0	2.0	-----	0.0	3.9	-----	0.0	6.1	-----
Stroke	57	17.5	17.7	5.5	26.3	23.0	8.4	35.1	26.5	10.1
Hip Fracture	32	9.4	5.3	-----	21.9	9.3	-----	21.9	12.3	-----
Sepsis	10	20.0	25.5	-----	30.0	35.8	-----	50.0	41.4	-----
PROCEDURES:										
Angioplasty	1	0.0	1.0	-----	0.0	1.5	-----	0.0	1.8	-----
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	1.5	-----	0.0	3.0	-----	0.0	4.5	-----
Carotid Endarterectomy	1	0.0	1.2	-----	0.0	2.5	-----	0.0	3.7	-----
Hip Replacement/Reconstruction	18	0.0	1.9	-----	5.6	3.7	-----	5.6	5.2	-----
Open Reduction of Hip Fracture	16	12.5	5.5	-----	25.0	9.9	-----	25.0	13.1	-----
Prostatectomy	16	0.0	0.6	-----	0.0	1.6	-----	0.0	2.7	-----
Cholecystectomy	12	0.0	2.1	-----	8.3	4.0	-----	8.3	5.3	-----
Hysterectomy	10	0.0	0.4	-----	0.0	1.0	-----	0.0	1.7	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

WILLIAM N WISHARD MEMORIAL HOSPITAL

Medicare Provider Number: 150024

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	68.0 years
Proportion female	55.3 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	19.7 %
Transferred from skilled nursing facility	0.1 %
Admitted for elective procedure	19.6 %
Admitted for emergency	66.0 %

COMORBIDITIES:	
Cancer	8.1 %
Chronic cardiovascular disease	25.1 %
Chronic liver disease	1.4 %
Chronic renal disease	3.5 %
Chronic pulmonary disease	13.7 %
Cerebrovascular degeneration	10.1 %
Diabetes mellitus	9.1 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	89.9%
State	8.2%
Outside State	1.9%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	7.8 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	415
Occupancy Rate	67.0 %
Ownership/Control	Local Government
Medicare Discharges	17.6 %
Case Mix Index (CMI)	1.2130
STAFFING:	
Total Number of Physicians	477
Percent of Physicians Board Certified Specialists	71.1 %
Medical Residents/Interns	0
Registered Nurses	430
Licensed Practical Nurses	113

SPECIALTY SERVICES:	
Burn Unit	Yes
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Trauma Center	Yes
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	No
Rehabilitation	No
Psychiatric	Yes
Medicare Swing Beds	No

** Except for CMI

*** Not used in calculating mortality rates**

WINONA MEMORIAL HOSPITAL

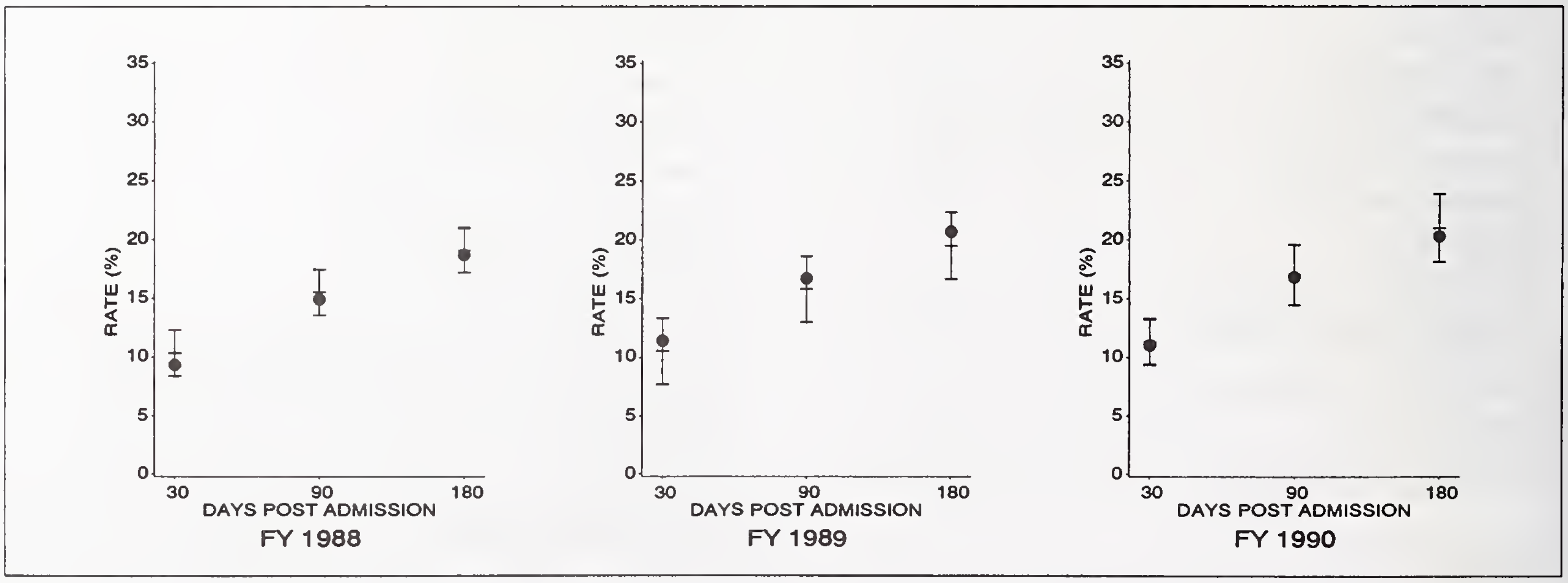
3232 NORTH MERIDIAN STREET
INDIANAPOLIS, IN 46208
Medicare Provider Number: 150014

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD*	90 DAYS OBS	90 DAYS PRED	90 DAYS SD*	180 DAYS OBS	180 DAYS PRED	180 DAYS SD*
ALL CAUSES	1452	11.0	11.3	1.0	16.8	17.0	1.3	20.3	21.0	1.4
CONDITIONS:										
Acute Myocardial Infarction	40	32.5	26.2	-----	32.5	28.8	-----	37.5	31.3	-----
Congestive Heart Failure	110	9.1	13.2	3.6	13.6	21.0	5.1	17.3	26.9	5.8
Pneumonia/Influenza	87	20.7	18.1	5.7	26.4	24.8	6.5	32.2	29.2	6.5
Chronic Obstructive Pulmonary Disease	27	0.0	5.9	-----	0.0	10.8	-----	0.0	15.1	-----
Transient Cerebral Ischemia	14	0.0	2.7	-----	0.0	6.3	-----	0.0	10.2	-----
Stroke	54	29.6	23.1	10.4	31.5	29.5	9.1	33.3	33.3	9.3
Hip Fracture	33	6.1	5.8	-----	9.1	10.2	-----	15.2	13.4	-----
Sepsis	36	27.8	21.6	-----	36.1	28.5	-----	41.7	32.7	-----
PROCEDURES:										
Angioplasty	1	0.0	9.9	-----	0.0	10.6	-----	0.0	11.6	-----
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	2.0	-----	8.3	4.5	-----	25.0	6.8	-----
Carotid Endarterectomy	4	0.0	1.0	-----	0.0	1.9	-----	0.0	2.8	-----
Hip Replacement/Reconstruction	18	5.6	3.2	-----	5.6	6.0	-----	5.6	8.1	-----
Open Reduction of Hip Fracture	20	0.0	5.1	-----	5.0	9.4	-----	15.0	12.6	-----
Prostatectomy	39	0.0	1.2	-----	0.0	2.9	-----	0.0	4.8	-----
Cholecystectomy	17	5.9	5.2	-----	23.5	9.2	-----	29.4	11.7	-----
Hysterectomy	3	0.0	1.3	-----	0.0	2.3	-----	0.0	3.5	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases Is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

WINONA MEMORIAL HOSPITAL

Medicare Provider Number: 150014

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	
Average age at admission	75.7 years
Proportion female	62.7 %
ADMISSION SOURCES/TYPES:	
Referred by personal or HMO physician	39.4 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	14.5 %
Admitted for emergency	63.3 %

COMORBIDITIES:	
Cancer	7.4 %
Chronic cardiovascular disease	33.8 %
Chronic liver disease	1.2 %
Chronic renal disease	4.5 %
Chronic pulmonary disease	14.9 %
Cerebrovascular degeneration	6.4 %
Diabetes mellitus	12.3 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	
County/City	91.6%
State	6.7%
Outside State	1.7%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:	
Hospital	9.8 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:	
Total Beds	285
Occupancy Rate	50.0 %
Ownership/Control	Private, For Profit
Medicare Discharges	56.3 %
Case Mix Index (CMI)	1.2800
STAFFING:	
Total Number of Physicians	89
Percent of Physicians Board Certified Specialists	83.1 %
Medical Residents/Interns	0
Registered Nurses	168
Licensed Practical Nurses	38

SPECIALTY SERVICES:	
Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug	Yes
Rehabilitation	Yes
Psychiatric	Yes
Medicare Swing Beds	Yes

** Except for CMI

* Not used in calculating mortality rates

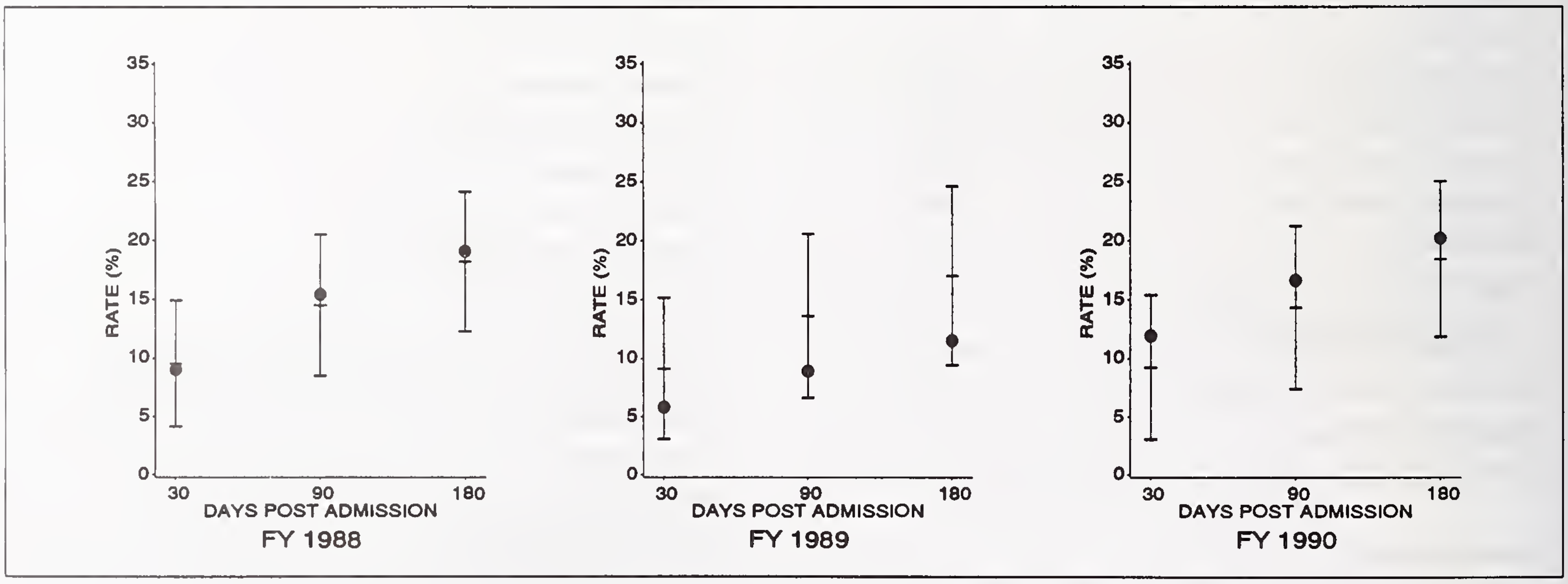
WIRTH OSTEOPATHIC HOSPITAL
HIGHWAY 64-WEST
OAKLAND CITY, IN 47660
Medicare Provider Number: 150123

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD*	90 DAYS OBS	90 DAYS PRED	90 DAYS SD*	180 DAYS OBS	180 DAYS PRED	180 DAYS SD*
ALL CAUSES	193	11.9	9.2	3.1	16.6	14.3	3.5	20.2	18.4	3.3
CONDITIONS:										
Acute Myocardial Infarction	2	0.0	21.8	-----	0.0	24.9	-----	0.0	28.7	-----
Congestive Heart Failure	21	19.0	14.8	-----	33.3	24.3	-----	38.1	31.3	-----
Pneumonia/Influenza	32	21.9	12.6	-----	21.9	17.2	-----	28.1	20.7	-----
Chronic Obstructive Pulmonary Disease	1	0.0	3.6	-----	0.0	7.2	-----	100.0	11.0	-----
Transient Cerebral Ischemia	1	0.0	0.4	-----	0.0	0.9	-----	0.0	1.5	-----
Stroke	6	16.7	17.2	-----	66.7	22.5	-----	66.7	26.2	-----
Hip Fracture	3	33.3	5.5	-----	33.3	9.9	-----	33.3	14.3	-----
Sepsis	5	20.0	30.6	-----	20.0	35.0	-----	20.0	39.5	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	1	0.0	5.7	-----	0.0	12.4	-----	0.0	17.7	-----
Hysterectomy	0									

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



WIRTH OSTEOPATHIC HOSPITAL

Medicare Provider Number: 150123

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	77.9 years
Proportion female	66.3 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	93.8 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	0.0 %
Admitted for emergency	49.2 %

COMORBIDITIES:

Cancer	3.1 %
Chronic cardiovascular disease	30.6 %
Chronic liver disease	0.0 %
Chronic renal disease	3.6 %
Chronic pulmonary disease	20.7 %
Cerebrovascular degeneration	6.2 %
Diabetes mellitus	6.7 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	70.5%
State	26.6%
Outside State	2.9%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	4.5 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	34
Occupancy Rate	29.0 %
Ownership.Control	Private, Non-Profit
Medicare Discharges	41.8 %
Case Mix Index (CMI)	0.9718

STAFFING:

Total Number of Physicians	5
Percent of Physicians Board Certified Specialists	40.0 %
Medical Residents/Interns	0
Registered Nurses	13
Licensed Practical Nurses	7

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	Yes

** Except for CMI

* Not used in calculating mortality rates

WITHAM MEMORIAL HOSPITAL

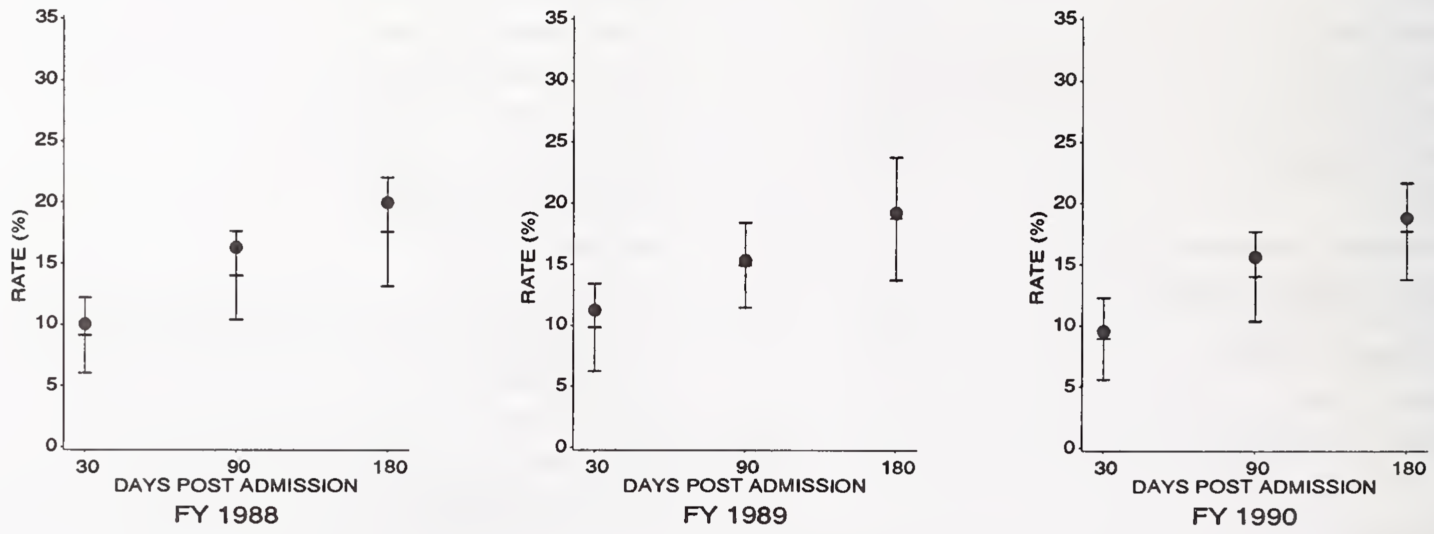
1124 NORTH LEBANON STREET
LEBANON, IN 46052
Medicare Provider Number: 150104

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	623	9.5	8.9	1.7	15.6	14.0	1.8	18.8	17.7	2.0
CONDITIONS:										
Acute Myocardial Infarction	11	54.5	17.2	-----	54.5	21.3	-----	54.5	24.7	-----
Congestive Heart Failure	40	12.5	15.1	-----	20.0	24.7	-----	30.0	31.8	-----
Pneumonia/Influenza	29	13.8	12.1	-----	24.1	16.8	-----	24.1	20.4	-----
Chronic Obstructive Pulmonary Disease	25	0.0	5.0	-----	0.0	9.5	-----	0.0	13.0	-----
Transient Cerebral Ischemia	11	0.0	1.9	-----	0.0	4.5	-----	0.0	7.7	-----
Stroke	33	30.3	17.6	-----	36.4	23.9	-----	36.4	27.6	-----
Hip Fracture	26	3.8	8.1	-----	11.5	14.1	-----	15.4	18.2	-----
Sepsis	19	10.5	27.8	-----	31.6	36.3	-----	31.6	41.3	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	1.4	-----	0.0	2.7	-----	0.0	4.4	-----
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	0.0	7.0	-----	0.0	12.7	-----	11.1	17.1	-----
Open Reduction of Hip Fracture	14	7.1	6.8	-----	21.4	12.5	-----	21.4	16.6	-----
Prostatectomy	13	0.0	0.6	-----	0.0	1.4	-----	0.0	2.3	-----
Cholecystectomy	11	0.0	1.5	-----	0.0	2.5	-----	0.0	3.3	-----
Hysterectomy	5	0.0	0.2	-----	0.0	0.5	-----	0.0	0.9	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

WITHAM MEMORIAL HOSPITAL
Medicare Provider Number: 150104

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	77.6 years
Proportion female	65.8 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	93.3 %
Transferred from skilled nursing facility	0.3 %
Admitted for elective procedure	34.0 %
Admitted for emergency	19.3 %

COMORBIDITIES:

Cancer	6.1 %
Chronic cardiovascular disease	38.4 %
Chronic liver disease	0.2 %
Chronic renal disease	1.9 %
Chronic pulmonary disease	14.8 %
Cerebrovascular degeneration	6.4 %
Diabetes mellitus	5.9 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	83.5%
State	14.4%
Outside State	2.1%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	6.2 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	65
Occupancy Rate	36.0 %
Ownership/Control	Local Government
Medicare Discharges	45.9 %
Case Mix Index (CMI)	1.1112

STAFFING:

Total Number of Physicians	44
Percent of Physicians Board Certified Specialists	65.9 %
Medical Residents/Interns	0
Registered Nurses	57
Licensed Practical Nurses	8

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

** Except for CMI

*** Not used in calculating mortality rates**

WOODLAWN HOSPITAL

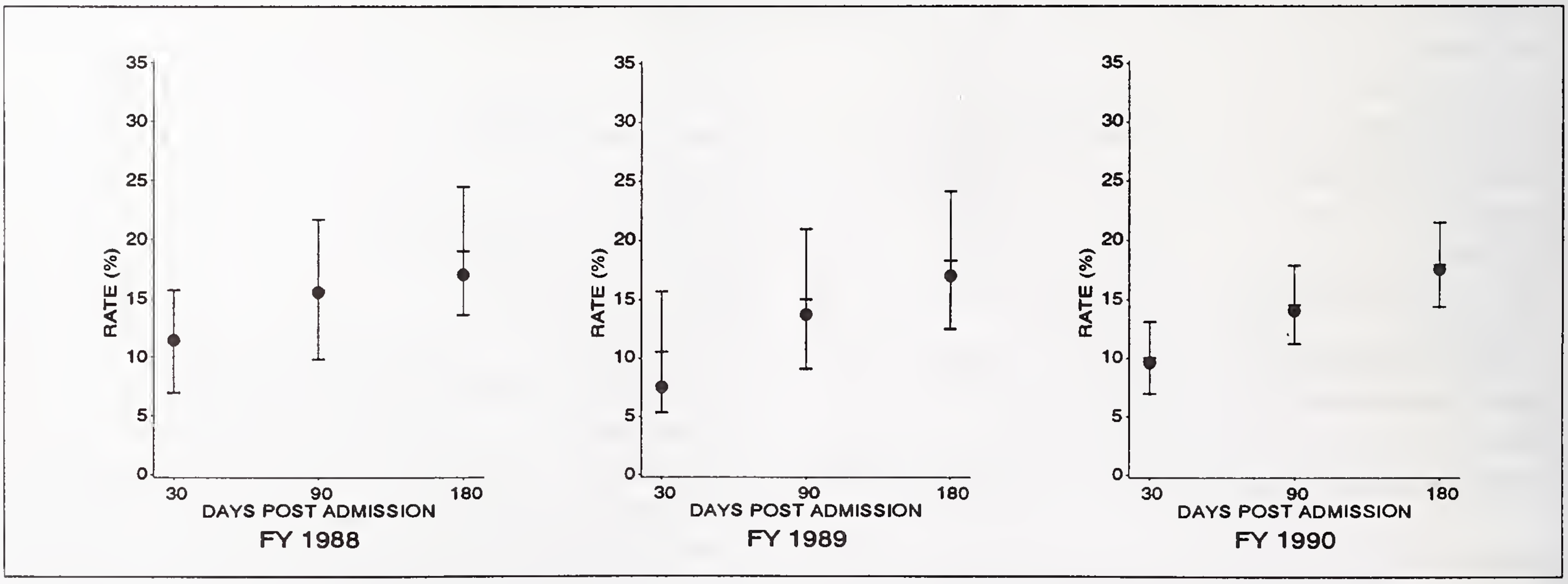
1400 EAST 9TH ST
ROCHESTER, IN 46975
Medicare Provider Number: 150111

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD*	90 DAYS OBS	90 DAYS PRED	90 DAYS SD*	180 DAYS OBS	180 DAYS PRED	180 DAYS SD*
ALL CAUSES	479	9.6	10.0	1.5	14.0	14.5	1.7	17.5	17.9	1.8
CONDITIONS:										
Acute Myocardial Infarction	17	41.2	29.6	-----	41.2	32.5	-----	47.1	35.3	-----
Congestive Heart Failure	38	13.2	13.3	-----	18.4	20.8	-----	23.7	26.8	-----
Pneumonia/Influenza	49	16.3	16.0	-----	26.5	21.6	-----	26.5	25.4	-----
Chronic Obstructive Pulmonary Disease	13	0.0	8.1	-----	15.4	13.0	-----	23.1	16.7	-----
Transient Cerebral Ischemia	4	0.0	3.1	-----	0.0	6.6	-----	0.0	10.2	-----
Stroke	20	30.0	22.8	-----	30.0	29.8	-----	30.0	34.3	-----
Hip Fracture	3	0.0	8.7	-----	0.0	15.5	-----	0.0	19.5	-----
Sepsis	5	20.0	24.4	-----	40.0	29.1	-----	60.0	31.9	-----
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	10.0	-----	0.0	18.5	-----	0.0	23.4	-----
Open Reduction of Hip Fracture	1	0.0	7.4	-----	0.0	13.8	-----	0.0	18.5	-----
Prostatectomy	12	8.3	0.7	-----	8.3	1.7	-----	8.3	2.9	-----
Cholecystectomy	17	0.0	2.8	-----	0.0	4.9	-----	0.0	6.3	-----
Hysterectomy	5	0.0	0.8	-----	0.0	1.3	-----	0.0	1.9	-----

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



FY 1988

FY 1989

FY 1990

WOODLAWN HOSPITAL

Medicare Provider Number: 150111

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:

Average age at admission	75.8 years
Proportion female	57.0 %

ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician	45.7 %
Transferred from skilled nursing facility	0.0 %
Admitted for elective procedure	4.6 %
Admitted for emergency	40.1 %

COMORBIDITIES:

Cancer	4.2 %
Chronic cardiovascular disease	38.6 %
Chronic liver disease	0.6 %
Chronic renal disease	2.3 %
Chronic pulmonary disease	15.9 %
Cerebrovascular degeneration	2.1 %
Diabetes mellitus	6.7 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City	72.8%
State	26.1%
Outside State	1.1%
Total	100.0%

MEDICARE AVERAGE LENGTH OF STAY:

Hospital	6.9 Days
State	8.0 Days
National	8.6 Days

HOSPITAL CHARACTERISTICS*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990

PROFILE:

Total Beds	49
Occupancy Rate	55.0 %
Ownership/Control	Local Government
Medicare Discharges	37.9 %
Case Mix Index (CMI)	1.1275

STAFFING:

Total Number of Physicians	15
Percent of Physicians Board Certified Specialists	66.7 %
Medical Residents/Interns	0
Registered Nurses	34
Licensed Practical Nurses	15

** Except for CMI

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Trauma Center	No

OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug	No
Rehabilitation	No
Psychiatric	No
Medicare Swing Beds	No

*** Not used in calculating mortality rates**

INDIANA

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD*	90 DAYS OBS	PRED	SD*	180 DAYS OBS	PRED	SD*
ALL CAUSES	161,187	9.4	8.9	0.1	14.2	13.5	0.3	17.6	16.9	0.3
CONDITIONS:										
Acute Myocardial Infarction	4,831	26.6	26.1	0.7	30.2	29.0	1.0	32.9	31.8	1.1
Congestive Heart Failure	8,935	15.0	14.0	0.7	23.7	22.2	0.6	30.1	28.3	0.7
Pneumonia/Influenza	8,304	15.6	15.0	0.7	21.8	20.6	1.0	25.7	24.4	1.0
Chronic Obstructive Pulmonary Disease	2,779	7.0	7.4	1.0	12.6	13.1	1.3	16.8	17.5	1.2
Transient Cerebral Ischemia	2,243	1.5	1.7	0.4	3.8	3.9	0.4	6.1	6.4	0.6
Stroke	5,939	21.7	19.8	0.8	28.4	25.8	0.9	32.1	29.6	0.9
Hip Fracture	4,127	8.2	6.4	0.5	13.5	11.3	0.8	16.6	14.8	0.7
Sepsis	1,974	23.4	25.9	1.4	32.3	33.5	1.9	37.7	38.2	1.8
PROCEDURES:										
Angioplasty	2,052	3.3	3.3	0.5	4.5	4.2	0.6	5.3	5.1	0.5
Coronary Artery Bypass Graft	2,210	6.5	5.6	0.7	9.2	7.9	1.0	10.9	8.9	1.3
Initial Pacemaker Insertion	1,083	2.9	3.0	0.6	6.5	6.0	0.8	9.8	8.7	1.2
Carotid Endarterectomy	798	1.5	1.4	0.6	3.1	2.6	0.7	4.6	3.8	0.9
Hip Replacement/Reconstruction	3,200	4.1	2.9	0.4	6.9	5.4	0.6	8.4	7.4	0.6
Open Reduction of Hip Fracture	1,950	7.5	6.0	0.8	13.0	10.9	1.1	16.5	14.5	1.0
Prostatectomy	4,603	1.1	1.0	0.2	2.1	2.3	0.3	3.6	3.9	0.5
Cholecystectomy	3,345	2.8	2.6	0.3	5.1	4.9	0.4	6.8	6.5	0.6
Hysterectomy	1,434	0.3	0.6	0.3	0.9	1.4	0.4	1.5	2.2	0.4

* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	73.8 years	Cancer	7.4 %
Proportion female	56.9 %	Chronic cardiovascular disease	35.5 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.8 %
Referred by personal or HMO physician	53.8 %	Chronic renal disease	3.3 %
Transferred from skilled nursing facility	0.6 %	Chronic pulmonary disease	15.2 %
Admitted for elective procedure	20.6 %	Cerebrovascular degeneration	3.7 %
Admitted for emergency	45.8 %	Diabetes mellitus	8.4 %

ALL STATES

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	6,542,299	9.0	9.0	-----	13.9	13.7	-----	17.3	17.1	-----
CONDITIONS:										
Acute Myocardial Infarction	204,673	25.3	25.6	-----	29.5	28.7	-----	32.1	31.4	-----
Congestive Heart Failure	335,426	14.3	14.4	-----	22.9	22.8	-----	29.2	29.0	-----
Pneumonia/Influenza	313,303	15.3	15.5	-----	21.5	21.3	-----	25.5	25.1	-----
Chronic Obstructive Pulmonary Disease	107,387	8.0	8.0	-----	14.1	14.0	-----	18.7	18.5	-----
Transient Cerebral Ischemia	96,866	1.8	1.8	-----	4.0	4.0	-----	6.4	6.5	-----
Stroke	241,803	19.7	19.8	-----	26.5	26.3	-----	30.4	30.0	-----
Hip Fracture	163,386	6.7	6.5	-----	11.7	11.5	-----	15.1	15.0	-----
Sepsis	80,999	25.6	25.7	-----	34.6	33.8	-----	39.8	38.6	-----
PROCEDURES:										
Angioplasty	58,026	3.0	3.0	-----	4.0	4.0	-----	5.0	4.9	-----
Coronary Artery Bypass Graft	80,798	6.0	5.7	-----	8.3	8.1	-----	9.5	9.2	-----
Initial Pacemaker Insertion	49,642	3.2	3.3	-----	6.5	6.3	-----	9.1	9.1	-----
Carotid Endarterectomy	29,990	1.6	1.5	-----	2.8	2.8	-----	4.0	4.1	-----
Hip Replacement/Reconstruction	122,156	3.4	3.2	-----	6.2	5.9	-----	8.1	8.0	-----
Open Reduction of Hip Fracture	80,075	6.1	6.0	-----	11.2	11.0	-----	14.5	14.5	-----
Prostatectomy	211,087	0.9	1.0	-----	2.2	2.3	-----	3.7	3.8	-----
Cholecystectomy	124,259	2.9	2.7	-----	5.0	4.9	-----	6.5	6.5	-----
Hysterectomy	53,905	0.7	0.7	-----	1.4	1.5	-----	2.2	2.4	-----

* The Standard Deviation (SD) Is not calculated.

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	74.1 years	Cancer	7.6 %
Proportion female	55.9 %	Chronic cardiovascular disease	36.6 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	1.0 %
Referred by personal or HMO physician	46.1 %	Chronic renal disease	3.4 %
Transferred from skilled nursing facility	1.1 %	Chronic pulmonary disease	15.0 %
Admitted for elective procedure	22.0 %	Cerebrovascular degeneration	3.9 %
Admitted for emergency	46.5 %	Diabetes mellitus	8.0 %

Hospital Comments

Medicare Provider Number: 15-0089

BALL MEMORIAL HOSPITAL

March 18, 1992

Gail R. Wilensky, Ph.D., Administrator
Health Care Financing Administration
Medicare Hospital Information
Bureau of Data Management and Strategy
Room 3-A-12, Security Office Park Building
6325 Security Boulevard
Baltimore, Maryland 21207-5187

ATTN: Robert Moore

Providing excellent care to East Central Indiana is the mission of Ball Memorial Hospital. The quality of care we provide is constantly reviewed and has been confirmed to be excellent by outside review organizations such as the Indiana Medical Review Organization and Joint Commission on Accreditation of Healthcare Organizations.

After very careful and extensive investigation of the mortality data as presented by HCFA for fiscal years 1988-1990, we know our predicted mortality rate is incorrect. When properly analyzed using corrected data, the predicted mortality rate for Ball Memorial Hospital increases by more than two percentage points (2.0%). With these corrections to the data, Ball Memorial Hospital's mortality rate was below HCFA's predicted mortality rate.

The data used by HCFA to calculate our predicted mortality rate is in error. Our Medicare patients admitted from a nursing home or emergency department were not properly counted because of a computer programming error at the hospital.

We also know the following facts which greatly influence the mortality rate reported by HCFA for our hospital:

- The comorbidities listed for our Medicare patients are understated especially in the categories of cancer and chronic cardiovascular disease. As a specific example, chronic cardiovascular disease was actually present in nearly 50% of our patients but we only received credit for 33%.

BALL MEMORIAL HOSPITAL, INC.
2401 University Ave. • Muncie, IN 47303-3499 • (317) 747-3111 • FAX (317) 747-0137
Member of Voluntary Hospitals of America, Inc.®

- The number of urgent and emergent admissions to the hospital were also found to be understated. Corrected classification of admissions tends to increase the predicted mortality rate.

- Many of the deaths reported by HCFA were patients who had "do-not-resuscitate" (DNR) or "no code" orders. Most of these patients were receiving terminal care and thus, the expected outcome would be death. Over 30% of the 30-day deaths were patients with DNR orders.

We believe your information greatly underestimates the predicted mortality rate of our patients due to erroneous data. We also encourage you to include other patient characteristics in the future to improve the quality and accuracy of your report. These characteristics should include do not resuscitate status, all nursing home transfers, mobility (activities of daily living), neurological status, urinary incontinence, etc., which have been proved to have an effect on mortality rates.

In summary, we have found that the HCFA mortality statistics are not valid or reliable indicators of quality of care. Readers of this report should recognize that hospital mortality rates cannot be evaluated adequately from the limited information contained on a hospital bill. When we added important clinical information, we found our hospital's mortality statistics were within the expected limits.

Thank you for this opportunity to respond.

Sincerely,

Robert Brodhead

Robert T. Brodhead
President and CEO

/mcm

cc: Ken Stella, President, IHA
Richard Davidson, President, AHA

March 17, 1992

150074

Community Hospitals Indianapolis

Community Hospital East

16th Street and Ritter Avenue
P.O. Box 19805
Indianapolis, Indiana 46219-0805
Telephone (317) 355-1411

Gail R. Wilensky, Ph.D., Administrator
Health Care Financing Administration
Medicare Hospital Information
Bureau of Data Management and Strategy
Room 3-A-12, Security Office Park Building
6325 Security Boulevard
Baltimore, Maryland 21207-5187
ATTN: Robert Moore

RE: MEDICARE HOSPITAL INFORMATION - 1992

Community Hospitals Indianapolis is a not-for-profit, integrated health care network which serves as a leader in providing compassionate, quality, cost-effective health care services to help the people of greater Indianapolis achieve and maintain optimal health. We will thoroughly review the HCFA Medicare Hospital Information - 1992. Relative to any areas where the observed mortality rate may exceed the predicted mortality rate, further study will be attempted.

In review of the hospital characteristics portion of the data, we would like for the following corrections to be made:

a. Total Beds (#) 758
b. Occupancy Rate (%) 65%

Community Hospitals Indianapolis and Community Hospital South support HCFA's continued efforts to refine the methodology for the adjustment of mortality rates and other changes which have resulted in an improved analytic model. We feel this is of utmost importance in order for this information to benefit and assist hospitals in interpreting mortality information.

Within the Community Hospital System, patient mortality is reviewed on an ongoing basis as part of the Hospital's Medical STaff Quality Assurance Programs. If concerns are identified during this process, appropriate interventions are taken at that time.

Community Hospitals Indianapolis and Community Hospital South wish to stress that it is of utmost importance that the public understand there are numerous conditions and circumstances which contribute to patient mortality which are in no way related to poor quality care, and that mortality rates are but one of many outcome indicators which hospitals use to document and understand variation and it's relationship to quality.

Yours truly,

William E. Corley
President

c:qa:hcfa92

150128

Community Hospitals Indianapolis

Community Hospital South

1402 East County Line Road South
P.O. Box 47010
Indianapolis, Indiana 46247-0010
Telephone (317) 887-7000
Fax No: (317) 887-7197

Gail R. Wilensky, Ph.D., Administrator
Health Care Financing Administration
Medicare Hospital Information
Bureau of Data Management and Strategy
Room 3-A-12, Security Office Park Building
6325 Security Boulevard
Baltimore, Maryland 21207: 5187
ATTN: Robert Moore

RE: MEDICARE HOSPITAL MORTALITY INFORMATION -- 1992

March 17, 1992

Dear Mr. Moore:

Community Hospital South and Community Hospitals Indianapolis is a not for profit, integrated health care network which serves as a leader in providing compassionate, quality, cost-effective health care services to help the people of the greater Indianapolis achieve and maintain optimal health. We will thoroughly review the HCFA Medicare Hospital Mortality Information --1992. Where any observed mortality rate may exceed the predicted rate, further study will be attempted.

In review of the hospital characteristics portion of the data, we would like for the following information to be included:

a. Total Number of Physicians 103
b. Percent of Physicians Who Are Board Certified Specialists 70%

Community Hospital South and Community Hospitals Indianapolis support HCFA's continued efforts to refine the methodology for adjustment of mortality rates and other changes which have resulted in an improved analytical model. We feel this is of utmost importance in order for this information to benefit and assist hospitals in interpreting mortality information.

Within the Community Hospital System, patient mortality is reviewed on an ongoing basis as part of the Hospital's Medical Staff Quality Assessment Programs. If concerns are identified during this process, appropriate interventions are taken at that time.

Community Hospital South and Community Hospitals Indianapolis wish to stress that it is of utmost importance that the public understand there are numerous conditions and circumstances which contribute to patient mortality which are in no way related to poor quality care, and that mortality rates are but one of many outcome indicators which hospitals use to document and understand variation and it's relation- ship to quality.

Yours truly,

William E. Corley
President

#150045

DeKalb Memorial
Hospital, Inc.

East Seventh Street
Auburn, Indiana 46706
(219) 925-4600

DeKalb Memorial Hospital is a 77 bed acute care facility dedicated to meeting the health care needs of the community which it serves. Extending professional comfort care through the final stages of life allows our senior community members the opportunity to be surrounded by family in a supportive environment during their final days.

The 1992 Medicare Mortality Review Report provides death rates by diagnosis for a six month period. For DeKalb Memorial Hospital the only diagnosis in which the hospital mortality rate exceeds other facilities is for Congestive Heart Failure. All reported deaths for this diagnosis have been reviewed by a board certified quality assurance physician. In each case treatment was found to be appropriate and consistent with our philosophy for providing care through the final stages of life.

Detailed information concerning the results of the review will be made available upon request to the quality assurance director of DeKalb Memorial Hospital.

Jack M. Corey, President

JMC:csg

Hendricks Community Hospital

1000 East Main Street, P.O. Box 409, Danville, Indiana 46122-0409 (317) 745-3500

Dennis W. Dawes, FACHE
President

March 16, 1992

Gail R. Wilensky, Ph.D., Administrator
Health Care Financing Administration
Medicare Hospital Information
Bureau of Data Management and Strategy
Room 3-A-12, Security Office Park Building
6325 Security Boulevard
Baltimore, Maryland 21207-5187
ATTN: Robert Moore

RE: 1990 Medicare Mortality Data
Hendricks Community Hospital
Medicare Provider # 150005

Dear Mr. Moore:

I am writing in response to the FY 1990 Medicare Hospital Mortality Rates which will be published in the spring of 1992. We are pleased to be able to provide a response prior to the publication date.

We are unfortunately unable to comment on several areas in the survey as the sample size was not large enough to produce meaningful data for interpretation. According to HCFA guidelines, "the precision and interpretability of our estimates are questionable when there are no deaths or 50 or fewer cases in a particular category being analyzed." For Hendricks Community Hospital, this applies to the following conditions and procedures:

Acute Myocardial Infarction
Chronic Obstructive Pulmonary Disease
Transient Cerebral Ischemia
Stroke
Hip Fracture
Sepsis
Angioplasty (procedure not performed at Hendricks Community Hospital)
Coronary Artery Bypass Graft (procedure not performed at Hendricks Community Hospital)
Initial Pacemaker Insertion
Carotid Endarterectomy
Hip Replacement/Reconstruction
Open Reduction of Hip Fracture
Cholecystectomy
Hysterectomy

Statistically meaningful data was generated for mortality attributable to All Causes, Congestive Heart Failure, Pnemonia/Influenza, and Prostatectomy. In these cases, using the predicted mortality rate and standard deviation, one can calculate a range of expected mortality for each condition. Again, using HCFA guidelines, we can state with 95% confidence that mortality due to All Causes, Congestive Heart Failure, Pneumonia/Influenza, and Prostatectomy are all within the expected mortatlity range for each condition.

In conclusion, we would like to make the following comments. Death six months post admission to a hospital may not be related to the hospitalization, especially in the case of surgical procedures. Secondly, the medical staff of Hendricks Community Hospital reviews all cases of mortality occurring within the hospital as a function of ongoing quality assurance activities. Finally, overall mortality rates for All Causes is found to be at the predicted level for 30 days, 90 days, and 180 days respectively for 1990.

We appreciate the opportunity to respond to the data presented.

Sincerely,

Dennis W. Dawes

Dennis W. Dawes, FACHE
President

DWD/ke

J C H

Jennings Community Hospital, Inc.
301 Henry Street — North Vernon, Indiana 47265
(812) 346-6200

March 18, 1992

Gail R. Wilensky, Ph.D., Administrator
Health Care Financing Administration
Medicare Hospital Information
Bureau of Data Management and Strategy
Room 3-A-12, Security Office Park Building
6325 Security Boulevard
Baltimore, Maryland 21207-5187
Attn: Robert Moore

Dear Dr. Wilensky:

The following comments are being submitted for publication with this hospital's mortality data. Thank you for the opportunity to review this data and make comment.

Hospital Characteristics: Although the technical background states the hospital survey information was not used in calculating the predicted mortality, some specialty services, such as cardiac and medical/surgical intensive care, did exist in 1990 and did enable Jennings Community Hospital to care for more critically ill patients than might be expected at a small hospital.

Statistical Significance: Although Jennings Community Hospital's mortality fell within the prediction intervals for 30, 90, and 180 days post admission, hospital administration feels it is still useful to make comments regarding the statistics. The standard deviation has shrunk from previous years, at least partially due the declining number of admissions. In fact, a standard deviation was calculated only for "all causes" because no one condition had enough observations to be statistically significant.

CHF and Pneumonia Deaths: Although Jennings Community Hospital's mortality fell within the prediction intervals for 30, 90, and 180 days post admission, hospital administration feels it is still useful to make comments regarding the deaths from two conditions: Congestive heart failure (C2) and Pneumonia/Influenza (C3):

Average Age: The average age of C2 and C3 patients who died was even higher than the overall average age of 76 years. For C2 deaths, the average age was 77; for C3, it was 80.

Nursing Home Patients: 46% of the patients who died of C2 or C3 were admitted from and/or to a nursing home. These patients are generally sicker than the elderly population as a whole.

Comorbidities: Fully 100% of these deaths had comorbidities. For example, 54% of the C2 and C3 deaths had COPD as well; 18% of the same patients were diabetics. In addition, 46% of the patients who died of C3 also had C2.

Code Status: Many of the patients who died from C2 and C3 were not expected to survive, as evidenced by the high incidence of orders for Class B (no CPR/intubation) or Class C (do not intervene) codes. 39% of the C2 and C3 deaths fell into one of these categories.

Frequent Admission: One indication of the chronic nature of the deceased patients' conditions is the multiple admission to this hospital within 2 years prior to death. 61% of C2 and C3 deaths were admitted at least twice in the two years prior to their death.

In addition to these comments, there is anecdotal evidence of some patients counted as mortality for a condition that did not contribute to their death. For example, there was a Jehovah's Witness patient who was admitted to Jennings Community Hospital as a C2 patient. The patient later died of a ruptured Abdominal Aortic Aneurysm in another facility.

Sincerely,

Todd L. Stallings,
Interim Administrator/CEO

TLS/dk

Keeping Care at Heart...
KOSCIUSKO
COMMUNITY
HOSPITAL

2101 E. DuBois Drive
Warsaw, Indiana 46580
(219) 267-3200

150133
Medicare Provider No.

March 18, 1992

Gail R. Wilensky, Ph.D., Administrator
Health Care Financing Administration
Medicare Hospital Information
Bureau of Data Management and Strategy
Room 3-A-12, Security Office Park Building
6325 Security Boulevard
Baltimore, Maryland 21207-5187
ATTN: Robert Moore

Dear Mr. Moore:

Kosciusko Community Hospital would like to make comments for publication of the 1990 medicare morality rates.

A review of the statistics reveals that the observed and predicted rates are very close except in the Pneumonia/Influenza category. Kosciusko Community Hospital recruited a part-time Pulmonologist as of December 1989.

The Social Security Administration reported One Hundred Ninety Seven (197) deaths. A careful review of every death reveals that only Eighty-Seven (87) of these studied actually were inpatients at Kosciusko Community Hospital therefore we believe your figures are wrong. An additional Seven (7) deaths occurred in our Emergency Department. Only Forty-Four percent (44%) of those patients studied died while an inpatient at Kosciusko Community Hospital.

150133
Medicare Provider No.

Kosciusko Community Hospital extensively reviews all deaths which occur at our facility as a part of its ongoing Quality Improvement and Assessment Program. Cases not meeting standard criteria are reviewed by the appropriate Medical Staff.

Sincerely,

Wayne Hendrix

Wayne Hendrix
President

WH/gms

THE
LUTHERAN HOSPITAL
OF INDIANA, INC.

March 18, 1992
Medicare Number 150017

Gail R. Wilensky, Ph.D., Administrator
Health Care Financing Administration
Medicare Hospital Information
Bureau of Data Management and Strategy
Room 3-A-12, Security Office Park Building
6325 Security Boulevard
Baltimore, Maryland 21207-5187
Attn: Robert Moore

Dear Mr. Moore:

The following information for The Lutheran Hospital of Indiana, Inc. is to be attached to the Hospital Specific Report for the 1990 review period, prior to public disclosure.

In our evaluation of the hospital specific mortality data, we believe that this information can only be properly interpreted in conjunction with our ongoing case review process. The medical staff at The Lutheran Hospital of Indiana, Inc. conducts an intensive review of the quality of patient care. Mortality review is an integral part of monitoring the health care at the hospital. It is in this kind of individual case review that the quality of care is thoroughly evaluated. However, aggregate statistics, such as the mortality data, can be useful in suggesting areas for quality review.

Since the mortality data is best used as a screening tool in the quality assessment process, The Lutheran Hospital of Indiana, Inc. does not recommend that patients use this information as their only basis for hospital choice. We recommend that patients discuss this information and their hospital selection with their personal physician.

The medical and hospital staff will continue to review all cases, including mortality cases, for quality and appropriateness of care. This review reflects The Lutheran Hospital of Indiana, Inc.'s continuing pursuit of opportunities to improve patient care.

Respectfully,

Frederick H. Kerr
President

3024 Fairfield
Fort Wayne, IN 46807-1697
219-458-2001

THE METHODIST HOSPITALS

Northlake Campus
Corporate Office
600 Grant St.
Gary, IN 46402
(219) 886-4000

Southlake Campus
8701 Broadway
Merrillville, IN 46410
(219) 738-5500

PROVIDER ID: 150002
150132✓

March 20, 1992

Gail R. Wilensky, Ph.D., Administrator
Health Care Financing Administration
Medicare Hospital Information
Bureau of Data Management and Strategy
Room 3-A-12, Security Office Park Building
6325 Security Boulevard
Baltimore, Maryland 21207-5187
Attn: Robert Moore

Dear Dr. Wilensky:

The Methodist Hospital is in receipt of the fiscal year 1990 Medicare Hospital Mortality Report. As part of the established continuous quality improvement process at Methodist Hospitals, we are interested in receiving data from many sources, and will carefully analyze the data for any conclusions or recommendations which may be indicated.

Initial analysis of the data shows that the overall Medicare mortality rate at Methodist is well within the expected range. Medicare patients are on the average 70 years old, and a significant number are admitted via the emergency room (indicating an urgent situation), with complications of severe chronic heart or lung disease. The acuity of patients is an important factor in analyzing mortality data.

For 1990, HCFA has included additional data related to Medicare patients, including average length of stay. Because our physicians are committed to providing quality care based on the individual needs of each patient, the length of stay for a Medicare patient may be correlated to several factors including the patient's age, type of illness, and severity of illness. These are factors which may distinguish our patients from other populations.

Thank you for the opportunity to submit comments regarding this report.

Yours truly,

John H. Betjemann
Corporate President

Kumpol Dennison, MD,
Medical Staff President

Attachment

PROVIDER NUMBERS:150002
150132

CORRECTIONS TO HOSPITAL CHARACTERISTICS

1. Methodist Hospital's Northlake and Southlake Campuses - Hospital characteristics are based on two different sources/years.

   Specifically, the Northlake Campus source is the AHA Annual Survey of Hospitals 1990.

   The Southlake Campus source is the Health Care Financing Administration, OSCAR, Survey year 1991.

This difference in source may be accounting for the errors in reporting. It should be noted that the Northlake Campus does have a cardiac intensive care and a neuro intensive care. We question what comprehensive geriatric services includes.

For future reporting purposes, we would like to request that the information from the two campuses be combined and the same information reflected for both provider numbers.

Our Lady of Mercy Hospital
U.S. Highway 30, Dyer, Indiana 46311-1799 (219) 865-2141

Medicare Provider Number: 150090

March 19, 1992

Gail R. Wilensky, Ph.D., Administrator
Health Care Financing Administration
Medicare Hospital Information
Bureau of Data Management and Strategy
Room 3-A-12, Security Office Park Building
6325 Security Boulevard
Baltimore, Maryland 21207-5187

ATTN: Robert Moore

Dear Dr. Wilensky:

Mortality rates released by the Department of Health and Human Services for individuals at Our Lady of Mercy Hospital fell within the predicted ranges for the Diagnostic Related Groups (DRGs). However, in using this report, either to evaluate alone or in comparison with other several important factors need to be taken into consideration.

The methodology employed by HCFA has the potential for generating misleading conclusions if used as the sole criteria for evaluating the performance of any health care institution. For example, randomly selected patients were grouped by DRG and ICD-9CM codes. This indicates the presence or absence of co-morbidity, and is at least a symbolic expression of how complex each individual case may be. However, it often fails to provide an accurate picture of acuity.

For example, the report included in its scope patients who expired within 30 days of discharge. These patients were factored into the morbidity statistics for the DRG for which they were admitted. Such an assumpation cannot always necessarily be an accurate reflection of the true situation; i.e., it cannot be assumed that these patients in fact expired due to the same cause or causes for which they were admitted.

These are but a few examples of the difficulties one faces in attempting to use the data in this report as the basis for constructing meaningful comparisons and conclusions.

This is not to say the report is without value. It serves to highlight areas that may warrant further investigation. But to reply on this report alone is not a viable course.

Sincerely,

J. Donald Manchak
Executive Vice President and
Chief Operating Officer

JDM/bas
cc: Sister Jane Marie Klein, O.S.F.
SMMHC Operating Board

PARKVIEW

Medicare Provider #
150021

Gail R. Wilensky, Ph.D., Administrator
Health Care Financing Administration
Medicare Hospital Information
Bureau of Data Management & Strategy
Room 3-A-12, Security Office Park Building
6325 Security Boulevard
Baltimore, Maryland 21207-5187
Attn: Robert Moore

Dear Ms. Wilensky:

Parkview Memorial Hospital acknowledges receipt of the 1990 HCFA mortality data pertaining to Medicare patients cared for at our facility in 1990. The following reflects Parkview's response for publication.

Comment for Publication:
Of all causes reported in the HCFA data Parkview's mortality rate falls below the predicted range in the 30, 90, 180 days calculated, as in previous years.

Of the eight (8) diagnosis, five (5) demonstrated a reduction in the observed mortality compared with 1989 data while the number of cases in both years reflected a similar volume.

Of the nine (9) procedures selected and reported, five (5) reflected a reduction in the observed mortality as compared with 1989 while demonstrating a similar volume.

Parkview Memorial Hospital is a regional referral center treating acutely ill patients. Thirty percent (30%) of the cases in the HCFA analysis were patients from either outlying hospitals or other health care facilities.

It is not possible to determine the accuracy of the HCFA data pertaining to those patients who presumably died sometime post discharge. Information concerning the cause of death is not available to Parkview and in all probability would be unrelated to the reason the patient was initially hospitalized.

PARKVIEW MEMORIAL HOSPITAL
2200 Randallia Drive Fort Wayne, Indiana 46805 Telephone (219) 484-6636

Medicare Provider #
150021

Variations in actual mortality from year to year are monitored at Parkview. That data is analyzed as necessary to identify the potential for more in-depth focus review.

Additionally, clinical review of important aspects of care/service, including deaths is consistently performed at Parkview Memorial Hospital through the peer review process.

Sincerely,

Gene Faley

Gene Faley
V.P. Medical Staff Affairs

GF/cw

Wiley N. Carr, FACHE
President
and
Chief Executive Officer

PORTER MEMORIAL HOSPITAL

814 LaPorte Avenue • Valparaiso, Indiana 46383
Telephone (219) 465-4600

TRUSTEES
Eugene E. Kopczak
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Thomas R. Hall, M.D.
Vice-Chairman
Warren H. Canright
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William Poe, Jr.
Harley W. Snyder
Chen T. Sun, M.D.

Medicare Provider No. 150035

March 16, 1992

Gail R. Wilensky, PhD
Administrator
Health Care Financing Administration
Medicare Hospital Information
Bureau of Data Management and Strategy
Room 3-A-12
Security Office Park Building
6325 Security Boulevard
Baltimore, MD 21207-5187

Attn: Robert Moore

Dear Dr. Wilensky:

This letter is in response to our review of the published HCFA Mortality Data for fiscal year 1990 (October 1, 1989-September 30, 1990). We offer the following comments:

1. This year's data continues to provide mortality information for thirty days post discharge from the hospital, ninety days and 180 days. We believe the impact of hospital care on patient survival is greatest during the thirty days following admission. It is possible that death beyond thirty days following admission is not likely to be a direct result of the quality of care provided during hospitalization.

2. We are extremely pleased to note that Porter Memorial Hospital's mortality rate for all causes, the eight medical conditions identified in the data and nine surgical procedures identified in the data, is within the predicted range established by HCFA. As defined in the information you provided to us, the predicted range is equal to the predicted mortality rate plus or minus two standard deviations. We further note that in some categories, the number of patients included in the category is so small that a standard deviation is unable to be calculated and, therefore, a predicted range has not been determined.

3. We are very pleased to see our observed mortality rate (OBS) at thirty days post hospital discharge has dropped from previous HCFA published mortality rates for Porter Memorial Hospital in 1988 (8.8%) and 1989 (8.7%) to 7.2% in 1990.

4. It is our understanding that patients with multiple admissions to hospitals during fiscal year 1990 are randomly assigned to a hospital by HCFA. This could result in a patient death which occurs at one hospital being attributed to a previous admission which occurred during fiscal year 1990 at another hospital. We believe this method of assignment of patient mortality to a hospital could result in misleading conclusions.

5. Of the approximately 444 patient deaths assigned to Porter Memorial Hospital for fiscal year 1990, 334 of the patients or 75% died following discharge from the hospital. As previously stated, we believe the impact of hospital care on patient survival decreases as the time between discharge from the hospital and patient death increases. The 334 deaths that occurred following discharge from the assigned admission to Porter Memorial Hospital may have occurred at another health care facility or at the patient's home.

In summary, we believe the quality of patient care provided at Porter Memorial Hospital is excellent as proven by our continuing trend in a decreasing mortality rate for the last several years. Porter Memorial Hospital is a referral facility for extensive programs in oncology, cardiology, pulmonary disease, trauma and cardiac surgery. Our Medical Staff has an extensive Quality Assurance Program. This is evidenced by our accreditation from the Joint Commission on Accreditation of Health Care Organizations and successful inspections by various federal and state organizations. We will continue to use the information provided to us by HCFA as a part of our total quality improvement program at Porter Memorial Hospital.

Sincerely,

Wiley N. Carr, FACHE
President and
Chief Executive Officer

WNC/ks

cc: Board of Trustees
Medical Staff Executive Committee
Executive Team
Helene Strimbu
Amy Wozniak

StE Our business is life

#15-0003

March 17, 1992

Gail R. Wilensky, Ph.D., Administrator
Health Care Financing Administration
Medicare Hospital Information
Bureau of Data Management and Strategy
Room 3-A-12, Security Office Park Building
6325 Security Boulevard
Baltimore, MD 21207-5187
Attention: Robert Moore

To Whom It May Concern:

For a hospital of 259 beds, St. Elizabeth Hospital Medical Center has an unusually high number of patients requiring the most complex medical care. In fact, our Case Mix Index (CMI) is one of the highest in the state at 1.5169. Last year just two Indiana hospitals exceeded St. Elizabeth's CMI.

Case Mix Index measures the overall complexity of Medicare cases treated at a hospital. Because St. Elizabeth is a regional referral center with comprehensive oncology, cardiology and renal dialysis services, this high CMI is not surprising.

HCFA's model identifies differences in mortality among hospital patient populations but does not explain why they are different. In the case of St. Elizabeth Hospital, the CMI is an important indicator that our patient population is different at the outset.

This inference is further substantiated by analysis of the data. Only in "deaths from all causes" does the data show mortality greater than would be likely due to random variation over each of the three time periods. "Deaths from all causes" encompasses 2,268 cases. Only 38% of that total (874) are included in the subsequent conditions and procedures, none of which include cancer or dialysis.

Where an adequate sample size is available for specific conditions and procedures, the observed rates fall within the 95% confidence interval with just one exception, and that exception is CABGs at 90 and 180 days post-discharge. At 30 days, the variance between predicted and observed mortality rate for this procedure is within the range that is likely to be due to random variation.

St. Elizabeth Hospital Medical Center
1501 Hartford St. • P.O. Box 7501, Lafayette, IN 47903 • (317) 423-6011

In the instance of the 71 coronary artery bypass patients where the variance is greater, several points should be kept in mind. First, as the American Hospital Association noted last year, "HCFA's decision to look at death rates more than 30 days after admission...weakens the inferences about the quality of treatment intervention because of the probability of confounding factors that may have contributed to death." Also, HCFA does not base its calculations upon the Parsonnet system, which is the only risk stratification system widely accepted by cardiac surgeons to-date. Using the Parsonnet criteria, the predicted mortality for this population of 71 patients is 10.63% rather than the 5.1% reported by HCFA. The predicted mortality is so close to the observed mortality of 12.7% that the difference is not statistically significant.

Review of Medicare's mortality rates is just one part of our ongoing efforts to assess the quality of our care. We deploy extensive resources in personnel time and information systems to gather, analyze, and learn from the treatment and outcomes of every patient whose care is entrusted to us. We will continue to use the HCFA mortality data as one of many opportunities to study and improve.

Sincerely,

Paul E. Hess

Paul E. Hess
President

PEH/jb

Medicare Provider Number: 150004

SAINT MARGARET HOSPITAL AND HEALTH CENTERS
5454 Hohman Avenue, Hammond, Indiana 46320 219/932-2300 708/891-9305

March 13, 1992

Gail R. Wilensky, Ph.D., Administrator
Health Care Financing Administration
Medicare Hospital Information
Bureau of Data Management and Strategy
Room 3-A-12, Security Office Park Building
6325 Security Boulevard
Baltimore, Maryland 21207-5187

ATTN: Robert Moore

Dear Dr. Wilensky:

Thank you for affording us the opportunity to comment for the record on the Medicare Hospital Information - 1992 report. We fully support the sharing of data so all healthcare providers can evaluate the quality of service they provide to the community and make adjustments when such adjustments are required.

However, we remain concerned, as we have been from the onset of this report in 1988, that this data used alone will potentially do a disservice to health care consumers by appearing to rank individual facilities in terms of quality of care provided. The purpose of the Medical Hospital Information report is to indicate areas in which further investigation may be warranted.

As part of our commitment to continuous quality improvement we welcome the opportunity to further review our operations: indeed such review is an ongoing process at Saint Margaret Hospital and Health Centers.

There are several factors not taken into account by the Medicare Hospital Information - 1992 report that directly and significantly affected those portions of the report for which we appeared at or in excess of predicted limits; i.e.:

- Our medicare patient population, which is in their 80's and 90's, is older, on average, than that found at many hospitals.
- Our medicare patients have a higher acuity rate, as borne out by several independent studies, most recently the L. Byrne & Associates study. Fully one-third of our medicare patients suffer from a chronic condition which may or may not be reflected in the diagnosis responsible for their classification in the study. Nearly 8 out 10, 79% of our medicare patients were admitted on an emergency basis; only 16% were admitted for elective procedures, and 5% were for other causes. For many patients we are their last opportunity for a successful outcome.

* As a leader in rehabilitation services for the area, we have many patients who have come to us after being treated--often for very serious and complex conditions--at other facilities. In the event of a sudden relapse during rehabilitation they become our patients, and are figured into the study as such.

The above considerations do not call into question the validity of the report, but rather define some important considerations that must be taken into account in evaluating the significance of the data the report contains. For example, the generally older, more acute nature of our patient population may explain why in several categories we are within anticipated perimeters for 30 days, but outside them for 90 and 180 days.

Another important consideration not always recognized by the public in evaluating such data is that as we become more adept at a given procedure and do more cases, the parameters established by the report become more stringent in accordance with national norms that do not take into account age and acuity of our patient base. Our performance in 1990, for example, is generally within the guidelines established for us in 1988 and 1989.

None of this is meant in anyway to detract from the fundamental utility of the Medicare Hospital Information - 1992 report. Rather, it is intended to point out areas where caution must be used in evaluating the significance of the findings for a particular condition or procedure.

In keeping with our commitment to Christ's healing mission we are dedicated to improving the quality of the care we provide on a continuing basis. The data you provided through the Medicare Hospital Information-1992 report will be used to help us do just that.

Thank you, and may God bless you.

Sincerely,

Sister Jane Marie Klein

Sister Jane Marie Klein, O.S.F.
President and CEO

cc: Sister M. Theresa Solbach, O.S.F.
SMMHC Operating Board

SJMK/ah

KEVIN R. ANDREWS
President

the king's daughters' hospital

March 18, 1992 Medicare Provider No.: 15-0069

Gail R. Wilensky, Ph.D., Administrator
HCFA, Medicare Hospital Information
Bureau of Data Management and Strategy
Room 3-A-12, Security Office Park Building
6325 Security Boulevard
Baltimore, Maryland 21207-5187
ATTN: Robert Moore

Dear Ms. Wilensky:

We received your letter of February 28, 1992, regarding Medicare Mortality Rates, on March 2, 1992. Consequently, we have had slightly over two (2) weeks to review and verify your data before being required to respond by March 18, 1992.

While our Mortality rates indicate we are better than the predicted rate for all causes, your request that we respond in this short time period is entirely unreasonable. We can not properly verify or respond to this material given this amount of time.

We consider it unacceptable for HCFA to share this information with the public, particularly given the discrepancies we have found in the past between your data and ours which is gathered from the actual medical record and area death certificates.

We request that HCFA postpone any release of this information until we have been given sufficient time to respond.

We also continue to believe that this information may be useful for clinicians and administrators of health care institutions as general indicators for analyzing the services they provide, however we do not believe it is appropriate or useful for public release and can be misleading. One of several reasons why we believe this information can be erroneous is that deaths that occur after the individual has left the hospital may be explained by factors unrelated to their hospitalization. For this reason, we obtain the actual death certificate to verify cause of death and then relate it to the most recent Hospital admission. Our data is therefore more accurate than HCFA can obtain.

Again, we request that HCFA postpone any release of this information until we have been given sufficient time to respond.

Sincerely,

Kevin Andrews

Kevin Andrews
President

ONE KING'S DAUGHTERS' DRIVE, P.O. BOX 447, MADISON, INDIANA 47250 • 812/265-0105 • FAX 812-265-0680
"the Sun of righteousness arise with healing in his wings..." Malachi 4:2

THE METHODIST HOSPITALS

Northlake Campus
Corporate Office
600 Grant St.
Gary, IN 46402
(219) 886-4000

Southlake Campus
8701 Broadway
Merrillville, IN 46410
(219) 738-5500

PROVIDER ID: 150002✓
150132

March 20, 1992

Gail R. Wilensky, Ph.D., Administrator
Health Care Financing Administration
Medicare Hospital Information
Bureau of Data Management and Strategy
Room 3-A-12, Security Office Park Building
6325 Security Boulevard
Baltimore, Maryland 21207-5187
Attn: Robert Moore

Dear Dr. Wilensky:

The Methodist Hospital is in receipt of the fiscal year 1990 Medicare Hospital Mortality Report. As part of the established continuous quality improvement process at Methodist Hospitals, we are interested in receiving data from many sources, and will carefully analyze the data for any conclusions or recommendations which may be indicated.

Initial analysis of the data shows that the overall Medicare mortality rate at Methodist is well within the expected range. Medicare patients are on the average 70 years old, and a significant number are admitted via the emergency room (indicating an urgent situation), with complications of severe chronic heart or lung disease. The acuity of patients is an important factor in analyzing mortality data.

For 1990, HCFA has included additional data related to Medicare patients, including average length of stay. Because our physicians are committed to providing quality care based on the individual needs of each patient, the length of stay for a Medicare patient may be correlated to several factors including the patient's age, type of illness, and severity of illness. These are factors which may distinguish our patients from other populations.

Thank you for the opportunity to submit comments regarding this report.

Yours truly,

Kumpol | Dennison. MD

John H. Betjemann
Corporate President

Kumpol Dennison, MD,
Medical Staff President

Attachment

PROVIDER NUMBERS:150002
150132

CORRECTIONS TO HOSPITAL CHARACTERISTICS

1. Methodist Hospital's Northlake and Southlake Campuses - Hospital characteristics are based on two different sources/years.

   Specifically, the Northlake Campus source is the AHA Annual Survey of Hospitals 1990.

   The Southlake Campus source is the Health Care Financing Administration, OSCAR, Survey year 1991.

This difference in source may be accounting for the errors in reporting. It should be noted that the Northlake Campus does have a cardiac intensive care and a neuro intensive care. We question what comprehensive geriatric services includes.

For future reporting purposes, we would like to request that the information from the two campuses be combined and the same information reflected for both provider numbers.

Medicare Provider #150096

Vencor Hospital · LaGrange

0300N 00EW
Townline Road
LaGrange, Indiana 46761
(219) 463-2143
(219) 463-3190 Fax

March 17, 1992

Gail R. Wilensky, Ph.D., Administrator
Health Care Financing Administration
Medicare Hospital Information
Bureau of Data Management & Strategy
Room 3-A-12, Security Office Park Building
6325 Security Boulevard
Baltimore, Maryland 21207-5187
ATTN: Robert Moore

Dear Dr. Wilensky,

Thank you for the opportunity to respond to the 1990 Medicare Hospital mortality rates for Vencor Hospital - LaGrange.

In reviewing the data, the following observations were made:

1. There were a total of 316 Medicare cases of which 78 were reported to have died at some time within 180 days of discharge from Vencor Hospital - LaGrange. Upon closer scrutiny the following observations were made, (a) two of those listed were included in last years' study and (b) twelve of the cases listed actually died beyond the 180 day threshhold.

2. In reviewing the rate sheet, it initially appeared that our observed mortality rates for all causes for 30, 90 and 180 days were above the predicted rate. After reviewing all of the enclosed material, however, and figuring the predicted ranges, I found that all of our observed rates were within the predicted ranges, which are not published. The predicted ranges for all causes (with a 95% confidence level) are as follows:

30 days	8.4 - 13.6
90 days	13 - 18.7
180 days	16.4 - 22.7

3. In the conditions listing, there were too few cases in every category to be statistically valid.

Gail R. Wilensky, Ph.D.
March 17, 1992
Page -2-

In reviewing the medical records of all of the patients involved, the following conclusions were drawn:

1. The average age of all male Medicare deaths here was 78 years and for all females was 78 years. This compares favorably when you consider the life expectancy for males is 71.5 years and for females is 78 years.
2. Only fifteen (15) of the seventy-eight (78) deaths occurred here at the hospital.
3. Six (6) of the fifteen (15) patients who died were transferred here from a nursing home in an already debilitated condition.

In closing, I want to point out that each death here at Vencor Hospital - LaGrange is reviewed by a team of physicians and the hospital Quality Review Committee. I am confident that quality health care is being practiced here at Vencor Hospital - LaGrange.

Thank you again for this opportunity to respond.

Sincerely,

Joseph Stuber

Joseph A. Stuber
Administrator

JAS/mlt

grw
jsf

Medicare Provider No. 150098

Washington County
MEMORIAL HOSPITAL
Affiliated with Jewish Hospital

March 18, 1992

Gail R. Wilensky, Ph.D., Administrator
Health Care Financing Administration
Medicare Hospital Information
Bureau of Data Management and Strategy
Room 3-A-12, Security Office Park Building
6325 Security Boulevard
Baltimore, Maryland 21207-5187

Dear Ms. Wilensky:

Thank you for the opportunity to respond to the Medicare hospital mortality information prepared by HCFA. Washington County Memorial Hospital supports the Health Care Financing Administration's efforts to improve the effectiveness of medical practice and the quality of care provided to Medicare beneficiaries. We appreciate your efforts to make refinements in order for institutions to use the information as an educational tool.

It is the intent of this hospital to provide the highest possible standard of care to our community. As a part of the hospital's quality assurance program, close physician scrutiny of 100% of mortalities is an ongoing process, using criteria developed by the medical staff, measuring performance against acceptable standards of care.

In response to the data provided from HCFA, Washington County Memorial Hospital's mortality rates and numbers of cases were too small to permit a satisfactory estimation of the standard deviation. Those deaths attributed to this facility were inaccurate, with 22% of all deaths listed occurring over 180 days, or some as long as 11 months, after the patient's discharge from the hospital.

Although additional clinical detail has been added to the model of predicted probability of death, available data may not measure patient characteristics that could have a large impact on expected mortality. While the model identified differences in mortality among patient population, it does not help explain why they are different, particularly for deaths occurring after the patient leaves the hospital. The information is useful to administration and clinicians in healthcare, but its usefulness or appropriateness for the public to use as a guide to hospital performance is questionable.

Sincerely,

WASHINGTON COUNTY
MEMORIAL HOSPITAL

Rodney M. Coats

Rodney M. Coats
Executive Director

E. R. Apple

E. R. Apple, M.D.
President of the
Medical Staff and
Chairman of the Quality
Assurance Utilization
Committee

cc: E. E. Martin, President
Washington County Memorial Hospital
Board of Trustees

WELBORN
Baptist Hospital

March 19, 1992

Gail R. Wilensky, Ph.D., Administrator
Health Care Financing Division
Medicare Hospital Information
Bureau of Data Management and Strategy
Room 3-A-12, Security Office Park Building
6325 Security Boulevard
Baltimore, Maryland 21207-5187

Attn: Robert Moore Hospital #150025

Dear Ms. Wilensky:

While Welborn Hospital fell within the predicted mortality range in all categories large enough to be statistically signficant, we continue to have concerns regarding the validity of the data released. In reviewing the cases of non psychiatric or rehabilitation (as defined by the scope of your study) Medicare patients discharged between October 1, 1989 and September 30, 1990, our records show 3,536 patients. Two hundred forty-seven Medicare deaths divided by 3,536 discharges would calculate to a death rate of 6.98.

As with the previous year's data release, your review did not include total numbers of the specific procedure performed upon the Medicare population. Among those are:

> Angioplasty: Your release notes 48 procedures, our data shows 88 procedures, with a calculated death rate of 3.4.
>
> Initial pacemaker insertion: Your release listed 8 procedures, we implanted initial pacemakers in 126 Medicare patients during that time period. Two of those patients expired, a death rate of 1.6 is calculated.
>
> Open reduction of hip fracture: Your data accounted for 19 procedures, we treated 33 Medicare patients during that time period. Three patients expired, a death rate of 9.0 is calculated.

Medicare, by eligibility, is limited to the aged or disabled; a population in which death is not unexpected. A review of patients three and six months following hospitalization does not have significance in the review of hospital mortality rates.

401 Southeast Sixth Street Evansville, Indiana 47713 (812) 426-8000

Mortality review is but a small part of our total Quality Review Program. The records of all patients expiring in the hospital are reviewed by the Medical Staff, as well as by your subcontractor, Sentinel Medical Review. We have yet to be notified by Sentinel that any death occurring at Welborn Hospital was a result of lack of expertise on the part of the hospital or its Medical Staff.

Respectfully yours,

Marjorie Soyugenc

Marjorie Z. Soyugenc
President

PROVIDER NUMBER: 150024

March 17, 1992

Gail R. Wilensky, Ph.D., Administrator
Health Care Financing Administration
Medicare Hospital Information
Bureau of Data Management and Strategy
Room 3-A-12, Security Office Park Building
6325 Security Boulevard
Baltimore, Maryland 21207-5187
ATTN: Robert Moore

Dear Ms. Wilensky:

The William N. Wishard Memorial Hospital staff appreciates the opportunity provided by the Health Care Financing Administration (HCFA) to review and comment on Medicare hospital mortality information for patients discharged between October 1, 1989 and September 30, 1990. The data provided was researched and discussed jointly by members of the medical staff, nursing, and administration. It is noted in the calculation of the Standardized Mortality Ratio (the ratio of observed to predicted mortality) that the ratio is close to one, meaning that the observed and predicted mortality are equal. A review of all the death cases gave us an opportunity to make pertinent observations and comments about the data.

1. Wishard is an urban, public, teaching hospital with a significant number of black patients. The staff believes that this fact has impact on how our data should be interpreted since there is verifiable clinical data that supports a difference in disease processes along racial lines.

2. Wishard provides services to a disproportionate share of the economically disadvantaged residents in the area. Once again, there is evidence that suggests diet, environment, and available support systems can influence clinical outcomes.

3. Many elderly patients that we serve have significant co-morbid disease processes that exacerbate the patient's clinical prognosis. For the period being reported, 32.5% of the patients had four (4) or more co-morbidities with an average age at death of 77.

WISHARD MEMORIAL HOSPITAL
INDIANA UNIVERSITY MEDICAL CENTER
1001 West 10th Street Indianapolis, Indiana 46202 317/639-6671
"Division of Hospitals . . . The Health and Hospital Corporation of Marion County."

4. Of the deaths attributed to Wishard Memorial Hospital, 45% occurred after discharge from the hospital. It is our understanding from the study methodology that these deaths could have occurred at other healthcare facilities or for conditions totally unrelated to the condition treated at Wishard (i.e. automobile accident). Due to these deaths occurring after the patient left the facility, the hospital is not in a position to evaluate what the patient ultimately died from. However, we can ascertain from review of the patient management that the patient did receive proper care while a patient of the hospital.

5. In reviewing the medical records of the deaths assessed to Wishard Memorial Hospital, it is noted that 52.5% of the patients' records contained Do Not Resuscitate (DNR) status indicating that the patient's condition was terminal and that the patient's wishes were that resuscitative measures not be taken.

I hope the items and concerns raised herein are constructive and will contribute to your effort to refine the HCFA data base. We are confident in noting that quality of care was provided to the patients identified in this reporting period.

Sincerely,

J F Williams Jr

John F. Williams, Jr., M.D.
Director

JFW:lr

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